

Vol. 86, No. 53 Cambridge, Mass., Friday, Dec. 16, 1966 5c

PRC-admissions joint orientation termed success by high schools

A joint Public Relations Committee-Admissions Office project to acquaint high school guidance personnel and students with MIT has been judged a success, following evaluation of feedback on the program.

The program, which took place early last summer, involved visits to high schools by approximately 50 MIT undergraduates. Each student paid a call on his own high school, meeting with guidance personnel and often with interested students and teachers.

The meetings took many forms, but in each case there was an open discussion about the MIT student's reaction to the various aspects of the Institute. There was particularly great interest in the non-academic dimensions of life in Cambridge.

Reports by the participating undergraduates indicate an enthusiasm generated by the evident interest on the part of the high schools.

Public Relations Committee

New staff named to Tech Review

Appointment of Richard F. Wright as advertising manager of Technology Review and of Peter Gwynne as acting managing editor was announced by Donald P. Severance, publisher. John I. Mattill was recently appointed editor of the magazine, the monthly journal of the Alumni Association.

Mr. Wright has been serving as advertising manager of the magazine on a part-time basis for the past year. He formerly was advertising director of New Englander and had also served in the national advertising department of the Boston Post. He is a graduate of the Huntington School and attended Babson Institute.

Mr. Gwynne received the BA degree in metallurgy from Oxford University in 1963, was on the research staff of the University of Sussex and then served as senior assistant editor of Discovery, British scientific magazine.

SEASON'S GREETINGS

from The Tech

Our next issue will appear Friday, January 6, 1967.

CEP to discuss pass-fail grades

By John Foran

Two important proposals will be put before the faculty Wednesday afternoon for their approval. They concern an elective for seniors graded on a pass-fail basis and an extension of the second-semester reading period to one week.

In an interview Wednesday afternoon, Professor Charles P. Kindleberger, Chairman of the Faculty and of the Committee on Educational Policy, told The Tech that the two measures must have faculty approval before they can go into effect.

Intellectual experiment

Kindleberger said that the first proposal, sponsored by CEP, "will allow people to experiment intellectually." If the proposal is approved, seniors will be able to take an elective that will be graded only with N or F (pass or fail). The subject cannot be an Institute or course requirement, he noted, but it can be within the student's major field.

The ultimate goal, he continued, would be to have students take courses that they feel they might not do well in, but would be beneficial to them. If approved, the experiment would last three semesters in order to allow data to be collected about its success. If successful, the policy could then possibly be extended from its proposed maximum of 24 out of 360 units.

Second-semester extension

The second proposal, sponsored

by the Student Committee on Educational Policy and the Committee on Academic Performance, would extend the reading period from three days to one week during the second semester of this year. Then the CEP would compare data from this term's three-day period and next term's one-

week period to determine how effectively an extension would be used.

Kindleberger said he was impressed by the interest of the students and the work of SCEP in bringing the new proposals to their present state.

Observes inefficiency

Indian bureaucracy subject of first Viewpoint forum

By Paul Johnson

Professor Nathan Cook of the MIT Mechanical Engineering Department spoke at the first Viewpoint forum, held Tuesday in the Student Center. Professor Cook is recently returned from India where he served as an engineering and educational consultant at the Birla Institute of Technology, near New Delhi. He spoke on an Encounter with a Status-Minded Bureaucracy.

Viewpoint introduced

An introduction to Viewpoint was supplied by Ranganath Pangal, who spoke briefly about the Viewpoint philosophy. He said that the purpose was to bring out unpleasant things about countries and to promote controversy. Professor Cook then spoke, di-

viding his talk into three parts, Energy, Time and Space, as related to the people of India. He observed that there is a lack of energy in the country, with few people, other than women, working. Everything, he said, is slow paced, and no one works for work's sake.

India is hampered by the delegation of responsibility, Professor Cook noted, and hence is highly inefficient. He feels that there is no delegation of authority. There is, he said, a very intense stratification of Indian society, but that the best way to climb the social ladder was not to raise yourself, but instead to keep down those around you. He also noted a great deal of insincerity in the country.

Remedies suggested

Dr. Cook then went on to propose several remedies for the Indian situation. He proposed that the bureaucracy might be made less stiff, and that the people work harder, and speak the truth.

Professor Warren Ambrose of the MIT Mathematics Department will speak Tuesday on the Universities of South America. The forum will be held in the East Lounge of the Student Center.

(Please turn to Page 3)

Vice President spotlight

Ruina oversees MIT labs



Dr. J. P. Ruina

By John Corwin

(The following is the last of a series of six articles based on interviews with each of the Vice Presidents of MIT.)

Dr. J. P. Ruina, Vice President for Special Laboratories, is the Institute's senior officer concerned with MIT's "responsibility for the Lincoln Laboratory and the In-

strumentation Laboratory as important national resources for research and development," and with their interaction with the MIT campus.

Although the two labs, which comprise a majority of MIT's annual operation budget, are organized outside the academic structure of the Institute, Dr. Ruina noted that they are very much a part of MIT. "The involvement of faculty and students in the labs of the Institute, and the involvement of the laboratory's professional staff in campus activities, helps to bring them closer to the academic program."

Directors report to Ruina

Dr. C. Stark Draper, Director of the Instrumentation Lab, and Dr. Milton U. Clauser, the new director of the Lincoln Lab, are each responsible to the President through Vice President Ruina, who spends a considerable

amount of time at the Laboratories and with lab staff.

The Vice President is responsible for "basic policy, growth, programs, personnel policies, and setting of standards" at the labs. He must also keep in close touch

Apathy, bureaucracy cited

Poverty crisis seen by Moynihan

By Carson Agnew

The present anti-poverty program is "headed for the breakers," according to the new directors of Joint Urban Studies at Harvard and MIT, Daniel P. Moynihan. In a seminar held at Boston College, the former Assistant United States Secretary of Labor stated that despite its outward affluence, this country is showing signs of becoming a "socially unstable society."

Sloppy thinking

The principal failing in the present program, said Moynihan, is "sloppy thinking on the meaning of community action." Community action means, to some, coordinating programs at the local level, encouraging rebellion and protest to others.

Although the original law called for "maximum feasible participation of the poor," apathy on the part of the poor, combined with the increasing number of programs and types of adminis-

trative procedure, has confused Congress to the point where "they don't know what's going on."

Departure

Moreover, the US attack on poverty constitutes a departure from the European systems. The program here bypasses the two most accepted welfare systems in Europe—income redistribution and guaranteed employment.

The US program took a "peculiarly American" route, Moynihan says, attempting to trans-

(Please turn to Page 2)

Student center post office will open tomorrow to combat holiday rush

The post office department, located in the basement of the MIT Student Center, will be open tomorrow, December 17.

It will remain open as a special

service to the MIT community because of the postal rush during the holiday season.

This will enable campus mail to be sent out two days earlier than usual from the Institute.

Project Interface begun at 312 Memorial Drive



Last Saturday's pipe painting at the Interface, 312 Memorial Drive, brought on a decision not to fight the pipes but rather to decorate them with a multicolored design.

By Karen Wattel

The Interface, an "informal meeting place for the MIT community" is being set up in the basement of the religious counselors' building at 312 Memorial Drive, between Ashdown House and the new wing of McCormick Hall.

All religious groups

Representatives from all of the different student religious groups make up the Interface Committee, headed by Charles Bures. At present, work on the project is

about 60% done, with painting now being done.

One goal of Interface is for students to meet other students of different religious backgrounds, "thus broadening each other's views of life." Another of its goals is to provide a place where the members of the faculty may meet with students in an informal atmosphere.

Against "foxhole living"

Reverend Lee who is working with the students on the project sees it as a step against the foxhole theory of living in which a student retreats from classes into his living group. "MIT students are human beings," Reverend Lee said. "People need people at levels that are non-pressure and informal. Students feel on the outside; they don't feel part of the academic world here." He sees Interface as a

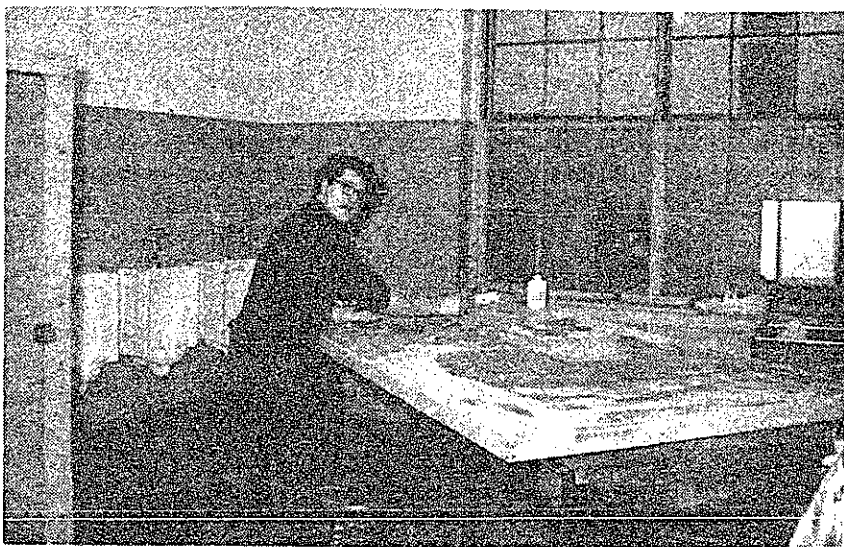
(Please turn to Page 3)

Fight buildings & grounds

Students make extra space

By Cary Bullock

Course IV has a problem: a lack of adequate work space. Monday night, three fourth-year architecture students who had exercised "squatter's rights" in pre-empting a men's room on the fourth floor of building 5 were evicted by the janitor. The students, George Chu, Victor Calandro, and Robert E. Reed, had moved into the bathroom after they decided there wasn't enough work space in their classroom, 7-438.



This men's room was used by three fourth-year Architecture students who found their classroom too crowded. Another room was converted to hold more people by the use of partitions, but has been condemned by Building and Grounds.

Recently another answer to the lack of space problem has been offered in the form of a huge tinker-toy array in room 7-438. The structure is a two-story affair which partitions the classroom in such a way as to allow more students than before to use it at the same time.

The structure was built when the fourteen fourth year students who use room 7-438 decided that they needed more study space. They elected a committee to design a project and to buy from a junk store the necessary materials to construct it. In all it took three days to build.

The Physical Plant department, which is responsible for "all structures on campus," has said the complex would have to be dis-assembled. Initially they reasoned that it was unsafe. But

when the safety crew was consulted, it was discovered that the structure was very sound. (The students had the advice of one of the structural faculty, according to John Terry.) The only recommendation made was that sprinklers be installed to protect against fire. "The trouble," says fourth year student John Terry, "is that they look at these as architecture classrooms. They should look at these rooms as architecture laboratories. We should be able to build the environment in which we are to work. What we have done should be an annual project

in design for fourth year students."

In any case, the students have been notified that their project will be taken down December 23. According to one student, "We have been told by other people that the main objective to the complex is protocol. The physical plant people are upset because they weren't consulted. They don't want this incident to set a precedent."

Unusual Xmas recruiting planned by US Steel

The United States Steel Corporation has planned a special Christmas event for those college juniors and seniors interested in a career with the company.

Scheduled for Friday, December 30, the program will include a breakfast meeting and film presentation at the Penn-Shera-

ton Hotel in downtown Pittsburgh, a plant tour of steelmaking operations near Pittsburgh, and a luncheon session with key US Steel officials to discuss the wide range of career opportunities offered by the company. The entire event will run from 9:30 a.m. to 4 p.m.

Bus transportation to and from the plant tour and luncheon will be provided.

Interested students, who plan to spend the holidays in or near the Pittsburgh area, should contact: District Director of Public Relations, US Steel Corporation, Room 2507, 525 William Penn Place, Pittsburgh, Pennsylvania, 15230. For more information, call, 391-2345, 2533, in Pittsburgh.

Moynihan speech urges anti-poverty effort

(Continued from Page 1)
form the individuals involved by "a hand up, not a hand out."

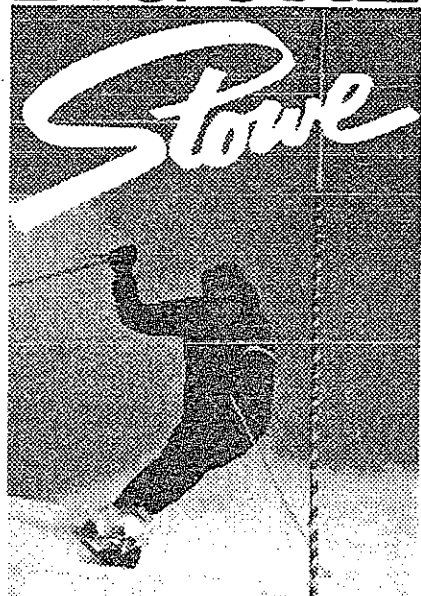
But the program is approaching a crisis, for a larger national commitment will soon be required if these programs are to provide any solution. Moynihan, who is best known for his report on the urban Negro family, emphasized that poverty problems in the cities have caused or come close to violence.

The poor are catching on to the fact, says Moynihan, that "you can't be a revolutionary and build up pension rights."

Advertisement

The Bible says: For unto us a Child is born, unto us a Son is given: and the government shall be upon His shoulder, and His name shall be called Wonderful, Counsellor, The Mighty God, The Prince of Peace. Isaiah 9:6 And the angel said unto them, Fear not: for, behold, I bring you good tidings of great joy, which shall be to all people. For unto you is born this day in the city of David a Saviour, which is Christ the Lord. Luke 2:10, 11

SKI THE BIG ONE



Ski Weeks

5-DAY PLAN \$35
5 days. 5 lessons. Monday-Friday.

7-DAY PLAN \$45
7 days. 7 lessons. Monday-Sunday.

STARTING DATES:
Dec. 12, 19; Jan. 2, 9, 16, 23, 30;
Feb. 6, 13, 27; Mar. 6, 13, 27; Apr. 3, 10.

Contact:

STOWE AREA ASSOCIATION, INC.
Box 206, Stowe, Vermont.
Tel.: (802) 253-7321

(These cooperative plans available only to guests of Stowe Area Assn. member lodges.)

SKI CAPITAL OF THE EAST

Advertisement

I.F.C. WEEKEND FEB 24-25, 1967
FRIDAY NIGHT

Little Anthony and the Imperials
Backed by the Spectres

SATURDAY AFTERNOON

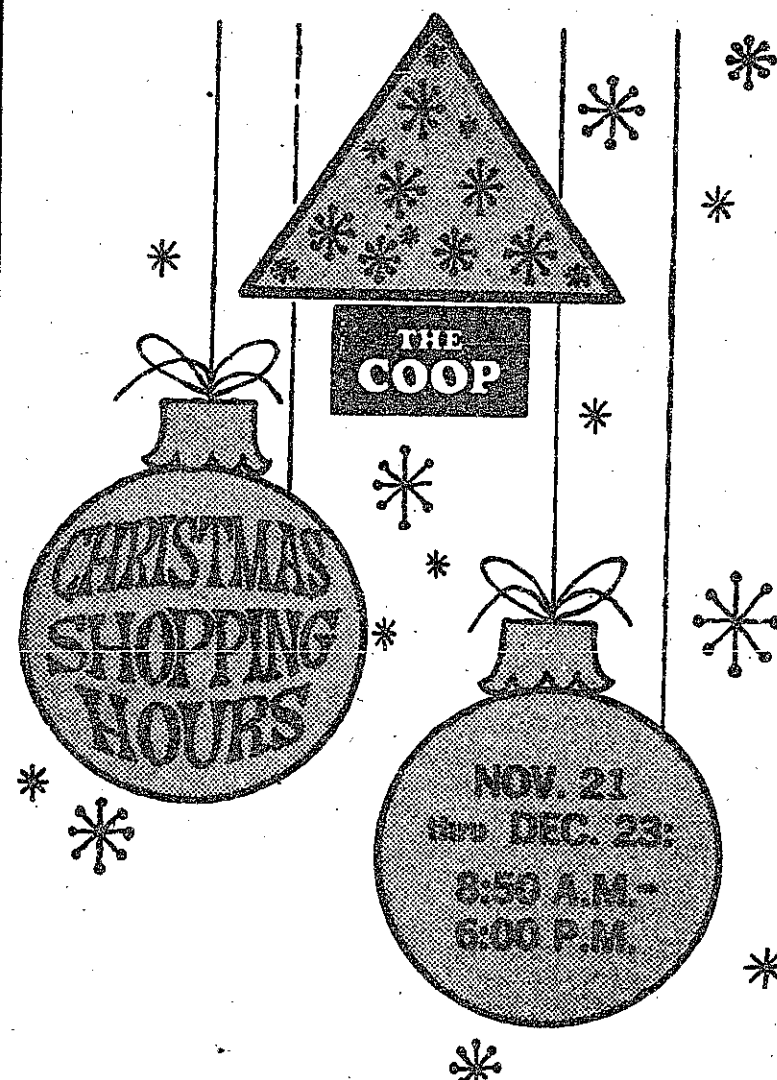
Paul Butterfield Blues Band
Jim Kweskin and the Jug Band

SATURDAY NIGHT

Rufus Thomas backed by Jimmy Soul Orchestra

\$11 per couple

Are you coming?



THE TECH COOP

Wednesday Afternoon Specials
December 21 2 p.m. to 5:30 p.m.

BOOK DEPT.

EARLY ITALIAN PAINTING Regularly \$9.98
Bologna Now \$6.95

MEN'S SHOP

TIES Regular \$2.50-\$4.00 Special \$1.50

GIFT SHOP

PINE SCENTED Regular \$1.39
KITTENS Special \$1.00

STATIONERY DEPT.

3-RING ZIPPER LEATHER Regular \$6.95
NOTEBOOKS Special \$5.18

RECORD DEPT.

All Pre-Recorded Tapes in Stock, 10% Reduction Regular \$6.38
This applies to multiple sets also Special \$5.74

WOMEN'S SHOP

FAMOUS BRAND NAME Regular 99c
HOSE Special 79c

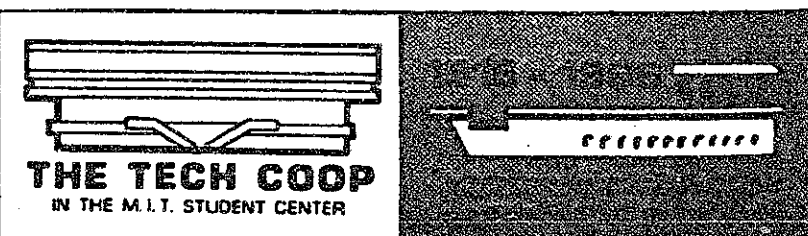
THE TECH COOP LOBBY SHOP

Wednesday Specials: From 2 to 9 p.m.

ROYAL COACH PIPE

RONSON TYPHOON
WINDPROOF LIGHTER

With M.I.T. Seal Regular \$3.95 Special \$2.88



OUR 50th ANNIVERSARY YEAR

60 AA students draw up orbital coast guard details

Sixty MIT seniors and graduate students in aeronautics and astronautics, working under Dr. Yao T. Li, have drawn up detailed plans for a sort of orbital coast guard.

Submitted to NASA

Plans for Nero, the Near Earth Rescue Operation, have been submitted to NASA for consideration. Ever since Gemini 8's brush with disaster last March, when a misfiring maneuvering rocket forced the astronauts to make an emergency splashdown, NASA has shown an interest in developing a rescue capability.

Each year MIT students spend a semester on such a study to get a taste of the team approach to large-scale space and technology. In previous years, projects have included futuristic schemes for urban rapid transit systems, high speed trains, and a manned mission to Mars.

Ready to Launch

Nero would consist of a fleet of boat-shaped space-craft standing ready on launching pads to blast off within three hours of a

distress signal to save astronauts stranded in earth orbit. The manned vehicles could also be launched on missions to repair crippled scientific satellites, resupply manned orbiting laboratories, inspect suspicious foreign spacecraft and even clean up orbiting debris.

According to the designers, the plan could be implemented with current technology and be in operation by the early 1970s. Once prepared it could remain fueled and ready for up to thirty days. A single launching, the students estimated, would cost \$20 million. The entire program might run up to \$2 billion for development and equipment costs for a fleet of 25 spacecraft.

Based on NASA Craft

Though it would have to be modified considerably, the spacecraft would be based on the experimental M2-F2 gliding re-entry craft built for NASA. The rocket would be an Air Force Titan 3-C, which has been flown six times and will be used for the Air Force Manned Orbiting Laboratory, scheduled to be launched in 1969.

IL, Lincoln Lab origins differ

(Continued from Page 1)

with the governmental agencies that are the customers for the research output of the labs.

Origins of Labs

The two laboratories originated quite differently. Lincoln was created in 1951 at the request of the United States Government, in search of a laboratory to take on major responsibility for research and development in air defense. The Institute recruited professional staff from both faculty and the outside technical community. The lab, initially on campus, moved soon after formation to its present Lexington site.

The Instrumentation Lab grew out of "the inventiveness of one man with many new ideas for guidance and control," Dr. C. Stark Draper of the Department of Aeronautics and Astronautics. The success of the Instrumentation Lab and its impact on technology are the direct reflections of his abilities, his personality and his style.

The Instrumentation Lab, because of its greater proximity to campus, is more involved with campus activity than is the Lincoln Lab. Also the only and long-term director has been head of the Department of Aeronautics and Astronautics.

The Lincoln Lab works in a broad range of endeavors, including communication, ballistic missile defense, seismic arrays, radioastronomy, and solid state physics. The Instrumentation Lab works chiefly in the area of guidance systems.

Subcontracting by Lab

The budget of the Lincoln Lab is about \$70 million, of which half is "in house" expenses and the rest is major subcontracting, where the lab takes responsibility for the technical management of the efforts of other organizations,

such as RCA or Philco. The lab has a professional staff of about six hundred. Some Lincoln staff have been attracted to professorships at MIT. Among these are Ben Lax, director of the Magnet Laboratory, J. Harrington, director of the Center for Space Research, and Harry Gatlos, Professor of Metallurgy and Electrical Engineering. The Instrumentation lab has a professional staff of comparable size, and the total staff of both labs nears four thousand.

Dr. Ruina received EE degree

Dr. Ruina, a specialist in radar systems engineering from the Polytechnic Institute of Brooklyn in 1951; from 1950 to 1954 he was a member of the faculty at Brown University. He later taught at the University of Illinois.

Worked for Government

The Vice President began his government career in 1959, serving in several posts in the US Department of Defense. In January, 1961, while on leave from

Illinois, he was appointed Director of Advanced Research Projects Agency by Defense Secretary Robert S. McNamara.

Dr. Ruina came to the Institute three years ago as Professor of Electrical Engineering, and in addition served as Special Assistant to the then Vice President McCormack and as Chairman of the MIT Radioastronomy Committee.

Defense research

Dr. Ruina was granted leave from the Institute in 1964 to accept the Presidency of the Institute for Defense Analyses, a non-profit research institution sponsored by twelve universities, including MIT. He recently served as chairman of an advisory committee to the Secretary of Health, Education and Welfare, and currently serves on a number of panels of the President's Science Advisory Committee. He was appointed Vice President earlier this year.

Frosh orientation program termed 'very successful'

By Steve Carhart

This year's freshman orientation program was, on the whole, very successful, judging from the recently published results of the questionnaire concerning freshman orientation which was sent by the Secretariat.

Favorable reaction to meetings

Large majorities indicated that they found the class profile and the discussion of the freshman core subjects worthwhile and enlightening. Most freshmen also found their advisors helpful and considered them to be truly interested in solving the problems every incoming freshman must face.

Drawing particularly high praise from the class of '70 were the Activities Midway and Dean

Wadleigh's "Nuts and Bolts" discussions. Roughly 95% of the freshmen found an activity that interested them at the Midway, while Dean Wadleigh's discussions gained many highly favorable comments.

Mailings criticized

Naturally there were a large number of gripes that freshmen took this opportunity to express. Many were quite upset that the Rush Week literature did not make it clear that rushees could stay overnight in the fraternity houses, thus making it unnecessary to pay \$10 for a dormitory room.

Summer mail also drew a good deal of fire; among the mailings which aroused the greatest ire were: the Bursar's form, which many felt was not clear; Sigma Alpha Pi; Selective Service information, which was confusing; and the housing information, which did not have the information many freshmen wanted. There were also complaints caused by mail arriving in the wrong order.

Poetry Reading set for tomorrow

By John Corwin

There will be an open Poetry Reading in the Thirsty Ear in Ashdown House, 305 Memorial Drive, tomorrow evening beginning at 8:30.

Sponsored by the Course XXI Society, the Poetry Reading is open to the Institute community and the public. Anyone is welcome to listen and to read his own poetry. The Thirsty Ear provides a coffee-house atmosphere, and the snack bar will operate during the breaks between the sets.

The last Poetry Reading featured readers from Radcliffe, Harvard, Boston University, and MIT.

Lee sees new project as solution to problems

(Continued from Page 1)

Interface will be open daily (excluding Saturday and Sunday) from 9 am to 5 pm for all interested members of the MIT community. It will also remain open Friday nights from 7 pm to midnight, staffed by the religious groups in rotating turns. Groups may reserve the facilities during off-hours.

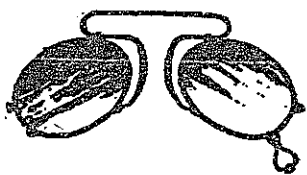
"Any Wednesday"

is great
for skiing

So is any Monday, Tuesday, Thursday, or Friday. Lift tickets cost less (\$5.50); lift lines are non-existent. You feel like you have the whole new major ski area at Waterville Valley to yourself: — 2 mountains, 7 major lifts, 24 slopes and trails!

After skiing, you'll enjoy the small swinging bar, music, and good food at Waterville Inn. Forget the books every once in a while (play it smart when you arrange your schedule). It's an easy 2½ hour drive from Boston via Interstate 93 to W. Campton; then follow signs.

waterville valley
NEW HAMPSHIRE



Teach Coop Optical

NEXT TO CUSTOMER SERVICE IN BOOK DEPARTMENT
Quality and Service is Our Byword — Patronage Refund
Ophthalmologists' prescriptions are filled promptly — accurately.
Excellent selection of frames for Men-Women-Children.
Office Hours: Monday-Saturday, 9:30-5:30 — Lunch 2-3 (Closed)
Phone 491-4230, Ext. 53, or from MIT dial 5350

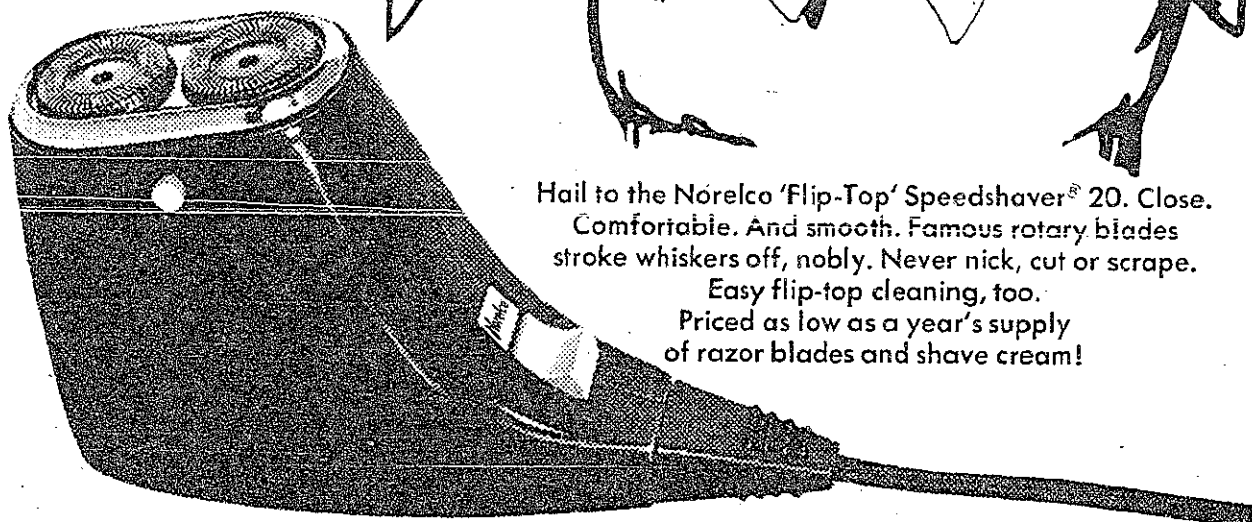
THE TECH COOP
IN THE M.I.T. STUDENT CENTER

64 Massachusetts Avenue, Cambridge, Mass. 02139



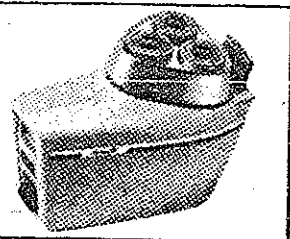
POOF!
Stubble, stubble
Whiskers are
trouble!

Hark, Bearded Bard.
Norelco Rotary Blades
rid thee of shaving woes.



Hail to the Norelco 'Flip-Top' Speedshaver® 20. Close. Comfortable. And smooth. Famous rotary blades stroke whiskers off, nobly. Never nick, cut or scrape. Easy flip-top cleaning, too. Priced as low as a year's supply of razor blades and shave cream!

Eyes right for the new Norelco Tripleheader Speedshaver 35T. You're finished shaving nearly 40% faster than ever before! 18 rotary blades whip away whiskers at 77 miles an hour. So close we dare to match shaves with a blade. With Microgroove floating heads and pop-up trimmer.



Norelco® the fast, close, comfortable electric shave
© 1966 North American Philips Company, Inc., 100 East 42nd Street, New York, New York 10017

Dubious distinctions for 1966

Since this is the last issue of *The Tech* for 1966, we would like to recognize some of the contributions to campus life which occurred during the past year. We are happy to announce the designation of the following awards:

The Wonder Who Award — To the Class of '68 JP Committee for keeping everyone guessing (even themselves) about the Junior Prom entertainment.

The Plan Ahead Award — To the Dean's Office for their handling of the student housing problem.

The Poison Pen and Picture Award — To Time Magazine for its deep two page analysis of both the Institute and Caltech (award won last year by the British Broadcasting Company).

The Civic Virtue Award — to Cambridge, Mass. for surviving another year under the present city government.

The \$1700 Was Too Damn Much Award — To the MIT administration for

outmoding a beautiful slogan by raising tuition.

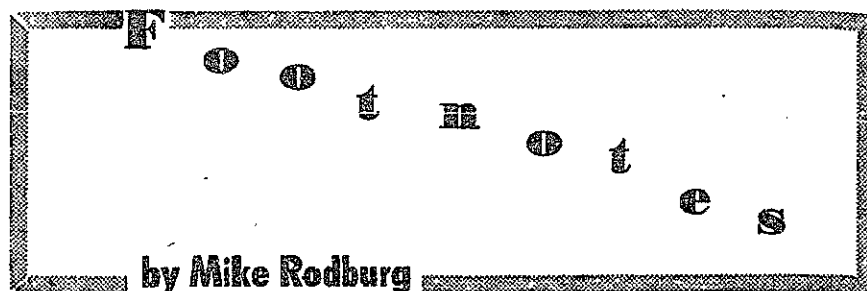
The Last Laugh Award — To Administrator Larry Bishoff for his 'Eat at Elsie's' basketball jersey.

The Dead Letter Award — To the Institute mail system for consistent, if not quality, service.

The Good Sport Award — To the Registrar for leaving a secretary behind at lunch time.

The Camping Merit Badge — To certain inhabitants of the Student Center Library.

Last but not least, **The 28 Flavors Award** — To President Howard W. Johnson for tolerating so many bad jokes about orange great domes since the announcement of his promotion last December.



by Mike Rodburg

131. Old student politicians never die, they just make trouble for the Harvard Law School. Former UAP Bill Samuels '65 has drafted a detailed proposal and co-heads a contingent of Harvard Law Students who have presented their ideas to the administration. They are seeking a revision of the present grading system and emphasis on cums. The group also wishes to eliminate the present ranking system which gives choice positions (such as Law Review) to the highest

cums. In addition, they want to de-emphasize the grades in general and establish a straight marking system of A's, B's, etc.

132. At the University of Pennsylvania, a student-faculty committee on parietals failed to take any action on a proposal for an extensive increase of hours last week. So the students rioted; they hung the dean in effigy, stampeded toward the women's dorm, tore down fences, and destroyed a construction wall. Naturally so mature a response received some attention. The dean drafted a last minute statement (to prevent further riots) announcing "significant changes in dorm hours" next semester. There were no more upheavals, but we suspect what the dean meant was a shortening of the present hours. Considering their behavior, it's justified.

133. The pool was won this week. The Meteorology Department, it is said, has conducted a snow pool whereby members contribute to a fund to predict the first substantial snowfall of the year. The one whose scientific knowledge proves most accurate wins. The physical plant, it is rumored, has won the pool the past three years.

134. Provost Jerome Wiesner is presently co-chairman of an ad hoc committee to establish an experimental state-operated school system. A bill providing for this is now before the Massachusetts assembly. The school would enable the state board of education to try out innovations in its role of establishing educational standards.



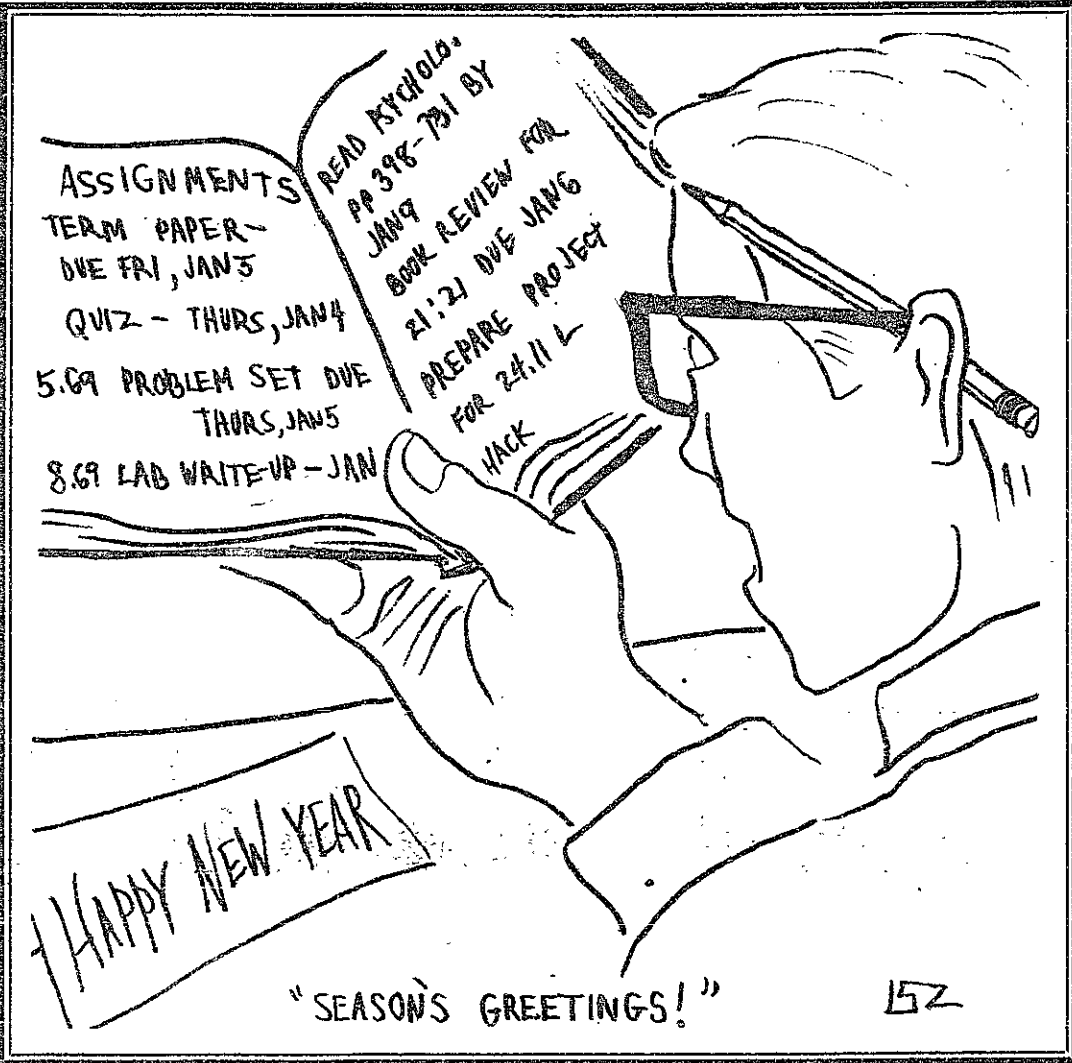
Vol. LXXXVI, No. 53 Dec. 16, 1966

BOARD OF DIRECTORS

Chairman	Dave Kress '67
Editor	Charles Kolb '67
Managing Editors	Robert Horvitz '68 Mark McNamee '68
Business Manager	Guille Cox '68
News Editor	Gerry Banner '68
Features Editor	Mike Rodburg '68
Sports Editor	Tom Thomas '69
Photography Editor	Law Golovin '67
Entertainment Editor	Andy Seidenfeld '68
Business Representative	Nick Covatta '68

Second-class postage paid at Boston, Massachusetts. The Tech is published every Tuesday and Friday during the college year, except during college vacations, by The Tech, Room W20-483, MIT Student Center, 84 Massachusetts Ave., Cambridge, Massachusetts 02139. Telephones: Area Code 617, 876-5855, and 864-6900 extension 2731. United States Mail subscription rates: \$4.25 for one year, \$8.00 for two years.

Front page photo of Walker Memorial taken by Art Kalotkin.



Letters to The Tech

Reviewed review

To the Editor:

The review of the MIT Symphony Orchestra's December 4 concert in the December 9 issue of *The Tech* poses some disturbing problems—disturbing not necessarily for the orchestra or for the music, but for the standards of music criticism which *The Tech* is willing to support.

I am sure that virtually everyone in the Institute would expect a man in the sciences to be accurately, factually informed about a subject before he would write on it in public. This review suggests that neither *The Tech* nor David Grosz, its music critic, has this same sense of responsibility when it comes to the arts.

For example: Mr. Grosz stated that Joseph Silverstein's reading of the Beethoven Violin Concerto "revealed nothing new about the work." Exactly the opposite was true, as an informed musician would be aware. The middle section of the slow movement has traditionally been played at a faster tempo than the rest of this movement, despite Beethoven's clearly marked instructions in the score. The reason is simply that it is easier to play at the faster tempo. Mr. Silverstein's perform-

ance, which maintained the proper slow tempo, was a defiance of this practice. What was outstanding was the way he sustained the intensity of the melodic line at this slower pace.

Someone with a deeper knowledge of musical form would have surely found the Janacek Sinfonietta more fascinating than a mere study of timbres, which is apparently all that Mr. Grosz heard. In this piece and others, Janacek used a novel and original concept, that of combining and re-combining small fragments of musical ideas in increasingly new contexts. It has taken until this decade, nearly 40 years after his death, for Janacek's music to be understood in its deeper ramifications. It is for this reason, rather than any "passion for finding Boston premieres," that it was significant for this work to be presented.

In a similar manner, the subtle turns of harmony, and the modulations to remote keys in the Roman Suite were apparently missed by Mr. Grosz's ears. Yet it is in details such as these that the music has charm and a claim to originality.

Criticism is an important part of any newspaper. If it is viewed

as a potentially constructive duty, as we believe it should be, the critic is responsible for becoming informed and refined on his subject. Your latest review was more notable for its arrogance than its erudition. Opinions come best from knowledge, not prejudice.

We do not expect even a professional critic to be familiar with all the complications involved with interpreting and performing a particular symphonic work without some study of exactly those problems. Since one of the best places to do this is with us at our pre-concert rehearsals, your critics will be welcome to attend, and we shall be happy to assist them in obtaining copies of the scores.

Wendel Brase, President
MIT Symphony Orchestra
(Ed. note: Mr. Grosz, one of several staff members of *The Tech* who review musical performances, is entitled to his opinions. However, I am sure that he will read yours with a great deal of interest. We would comment that the work of our critics is not edited; a bylined review represents the opinion of the critic, not the newspaper. If Mr. Grosz has handled you unfairly, I'm sure your audiences

will support your work and not his views. If his review was correct, you're not the first performer to smart under the critic's lash. In any event, the MIT Symphony Orchestra, which we feel is an extremely valuable campus organization, will no doubt survive long after both you and Mr. Grosz have left the scene.)

Dialogue soon

To the Editor:

In response to your editorial of Tuesday, November 6, MIT Students for a Democratic Society has arranged to debate the Young Americans for Freedom. The resolution is: that the United States is waging an imperialistic war in Vietnam.

The debate will be held Tuesday, January 10, time and place to be announced.

We hope this debate will spark further public debate and discussion in the MIT community on the foreign policy of the United States.

Paul Kinnucan '69
MIT Students for a Democratic Society

Musak lover

To the Editor:

It appears as if the time has

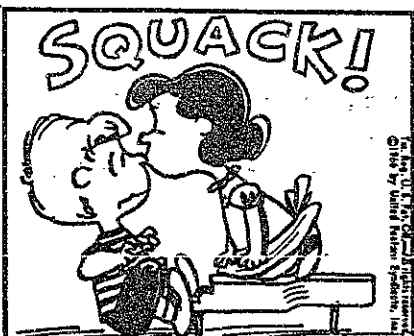
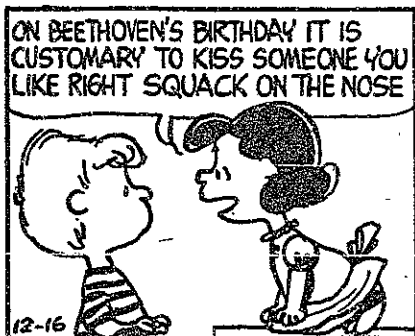
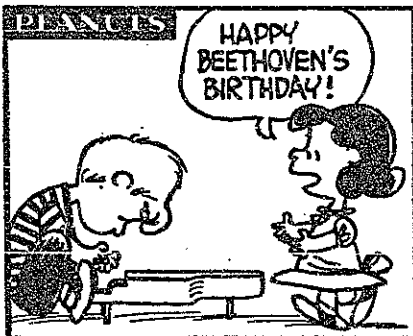
come to thank God for "Muzak." Or at least this seems to be in the mind of some of those who have taken it to heart to make our environment more agreeable. Muzak fills the bill. Its principle has been successfully demonstrated for centuries: sounds (but of what nature?) have tamed even the beasts, human or non-human.

So the disease (well, it has also been called "canned music" and better yet "motivational music") has crept into all those spaces where the 20th century man must supposedly be tranquil. Airlines are known to pump it into the ears of their passengers during flights in bad weather. Stores are using it in order to improve the morale of their employees and to keep their customers around longer. Restaurants find that it makes their food more digestible.

Perhaps, now that this device has found its way into MIT (in case you hadn't noticed, the 20 Chimneys is using it to make institutional food tastier and conversation impossible, we could use it more extensively. Imagine it in all the corridors (at least between classes), in the libraries (especially that at the Student Center), in several boring classes, in the medical center, possibly outside the Bursar's office, and certainly during registration. I am sure that if we tried we could find still more potentialities for the New Sound.

That is, if we agree that "Muzak" is in fact a way to enhance our environment.

Constantine Karalis '66



Kibitzer

By Mark Bolotin

North
 ♠ J 8
 ♥ Q 8 3
 ♦ 9 4
 ♣ K Q J 9 4 2

West
 ♠ 9 7 4 2
 ♥ K 10 7 5 2
 ♦ K 10 2
 ♣ 6

East
 ♠ K 10 6 3
 ♥ J 4
 ♦ J 7 6 3
 ♣ A 7 5

South
 ♠ A Q 5
 ♥ A 9 6
 ♦ A Q 8 5
 ♣ 10 8 3

Bidding
 East South West North
 Pass 1 NT Pass 3 NT
 Pass Pass Pass
 Opening lead: ♥5

Even though Christmas and the season of giving is approaching once again, bridge players should remain wary of the apparently benevolent opponent who presents declarer with a gift trick.

In today's hand, East viewed the hand, as a whole, at trick one and was able to divert declarer's attention from the prime goal of

making nine tricks by throwing a red herring across his path.

Leads heart five

West's opening lead was the five of hearts, on which dummy played low and East did the same (!). Declarer quite naturally, and quite happily, won the trick with his six. Declarer then shifted his attention to the club suit. East held up the Ace of clubs, until the third round of the suit had been played and declarer was exhausted of clubs, so that South had no entry to dummy's established suit.

After taking the Ace, East returned a diamond, which South unsuccessfully tried to finesse, his Queen losing to West's King. West returned the diamond ten which rode around to declarer's Ace. Attempting to get to the board for the clubs, declarer led a low heart to the Queen. However, West was alert enough to rise with the King and block the suit.

West returns heart

West returned another heart

(Please turn to Page 9)

College World

By Leland Shaeffer

Parsons College (Fairfield, Iowa), is one of the most publicized and controversial institutes of higher learning. This is partially because of the college's reputation as "the student's last resort," offering admission to students, generally the not-too-academic type, who have been rejected from every other college they had applied to. Also behind the college's renown is its renovation from an unsuccessful, debt-ridden institution to one of growth, abundant financial resources, and progress. This almost unbelievable change was done in the space of a few short years, and the credit goes to the former minister who became its president in 1955, Dr. Millard G. Roberts. It is still far from perfect, however, and the following are several of the reasons Parsons was presented with the GLOF (General Lack of Fibre) award by Monitor:

Dr. Roberts, who, by the way,

was only 51st choice for president of Parsons by the trustees, has this attitude toward himself and Parsons: "I'm not an educator. I'm a progress man. We're a factory, that's all. But our product is a college education. A factory for educating kids."

He hasn't been too quick to renovate the factory. Parsons grew from 212 students in 1955 to 2200 in 1962 without any increase in the number of classrooms. The enrollment expected in 1967 is 6000, and at last Dr. Roberts is adding more space.

All the Parson's dorms were fashioned after the same blueprints. According to Roberts, "Nearly all housing units are interchangeable. Now a men's dorm; next year a dorm for women; last year a fraternity; this year a sorority — simply by moving one group out and bringing in the next. A building is a machine to live in."

Are they fireproof? College

Controversy still rages at Parsons, but Flunkout University prospers

Contractor John W. Young has said, "I wouldn't want to be in one when it caught fire." He reconsidered his statement, and added, "They wouldn't burn that fast."

One publication of the college states that the number of courses offered at Parsons has been cut from 492 to 168. Another official publication gave the figures as 768 and 160 respectively. When asked which set of figures was correct, Roberts thought a moment and said, "Both."

Having been accused of grade manipulating, Parsons administrators came up with the following statement in their defense:

"With respect to the allegations that there were directed attempts to change grades, some are true, some are simply false, and others are in between."

Most college rules (including those of Parsons) state that any student who has a "D" average for a year is to be expelled. In practice, however, "D" students who manage to last for three trimesters are usually given a \$250 scholarship. When asked about the discrepancy, Roberts simply said, "We figured somebody would catch that."

Neat Trick

Concerning Trimesters, most colleges have tried and dropped the system due to the increased cost of year-around operation and the lack of students willing to attend the summer term. Roberts has solved the latter problem. The submarginal students are admitted under the agreement that they must attend the summer term if their average is below "C" (2.00). Last year this included every male student.

Life Magazine ran an article of Dr. Roberts and his college entitled, "Wizard of Flunkout U." Immediately after the magazine was released in the Fairfield area, a massive campaign was

(Please turn to Page 9)

Mini-fare

TWA 50/50 CLUB

This identification card entitles:

NAME _____

to purchase transportation for self only, subject to conditions on reverse side.

Male ☐ Female ☐ Hair Color _____ Eye Color _____

THIS CARD EXPIRES ON _____ (22nd Birthday)

SIGNATURE — Card Holder _____

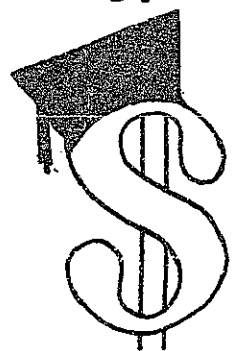
FOR AGES 12 THRU 21

The latest thing in student accessories. It comes halfway up to regular Jet Coach fare, but it covers you all the way home. To qualify, you must be young — under 22. You must be able to fill out a simple form. Then if you have \$3, you're halfway home at half fare. You're a member of TWA's 50/50 Club... eligible for Mini-fare everywhere we go in the U.S. Stop in at your nearest TWA office for a fitting.

*Service mark owned exclusively by Trans World Airlines, Inc.

Welcome to the world of **TWA** Trans World Airlines*

College Graduates...
 protect your
 earning power



Here you are at the start of your career. But think a minute...

All your education and training won't pay off for you if you should suffer a disabling illness or accident and can't work.

What is the answer? A New York Life Disability Income plan that provides a monthly income to help keep you going... help replace lost income.

Now is the time — while you're young and healthy — to insure your greatest asset... your earning power. It costs less than you expect... and less than it ever will.

Give me a ring and we'll talk about it. Don't forget.

OTTO R. BERGEN
 SPECIAL AGENT
 NEW YORK LIFE
 INSURANCE COMPANY

10 FAIRWAY STREET
 MATTAHAN, MASS. 02126
 BUS: 296-5702 OR TW 4-6330



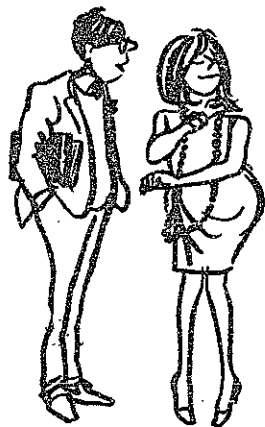
Movies and theatres

MOVIES

Astor—'Alfie,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
Beacon Hill—'The Appaloosa,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
Boston Cinerama—'Russian Adventure,' Mon., Tues., Thurs., Fri., 8:30; Wed., Sat., 2, 8:30; Sun. 2, 5, 8.
Brattle—'Mask of Dimitrios,' 5:30, 7:30, 9:30 (Sat.-Sun. 'Room at the Top').
Cheri I—'Georgy Girl,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
Cheri II—'A Funny Thing Happened on the Way to the Forum,' 9:45, 11:45, 1:45, 3:45, 5:45, 7:45, 9:45.
Cinema Komore Square—'Shameless Old Lady,' 1:45, 3:45, 5:45, 7:45, 9:45.
Cleveland Circle—'Is Paris Burning,' 8:30; Sat., Sun. mat. 2; Sun. 8.
Esquire—'A Man and a Woman,' 7:30, 9:30; Sun. 3, 5, 7, 9.
Exeter—'The Endless Summer,' 2, 3:40, 5:25, 7:15, 9:10.
Gary—'Hawaii,' 8:30; Sat., Sun., Wed. mat. 2; Sun. 7:30.
Harvard Square—'Torn Curtain,' 1:30, 5:35, 9:40, 'Blindfold,' 3:45, 7:55.
Mayflower—'Sleeping Car Murder,' 11:35, 2:45, 6, 9:15 (Sun. 2:35, 5:50, 9); 'Ten Little Indians,' 10, 4:25, 7:35 (Sun. 1, 4:10, 7:30); 'Music Hall—The Professionals,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
Orpheum—'The Idol,' 10, 1:57, 5:54, 9:51 (Sun. 1:34, 5:39, 9:44); 'Yesterday, Today and Tomorrow,' 11:52, 3:49, 7:46 (Sun. 3:26, 7:31).
Paramount—'Gypsy Girl,' 9:55, 1:50, 5:45, 9:40 (Sun. 1:25, 5:20, 9:15); 'McGuire, Go Home,' 11:40, 3:35, 7:30 (Sun. 3:10, 7:05).
Paris—'The Sound of Music,' 8:15; Wed., Sat., Sun. mat. 2:15; Sun. 7:30.
Park Square Cinema—'A Man and a Woman,' 2, 4, 6, 8, 10.
Savoy—'Texas Across the River,' 10, 12, 2, 4, 6, 8, 10; Sun. 1:30, 3:30, 5:30, 7:30, 9:30.
Saxon—'Dr. Zhivago,' 8:15; Wed., Sat., Sun. mat. 2; Sun. 7:30.
Uptown—'Mr. Buddwing,' 11, 2:35, 9:50 (Sun. 2, 5:40, 9:20); 'Seconds,' 12:35, 7:50 (Sun. 3:45, 7:20).
West End Cinema—'I, a Woman,' 11:30, 1:28, 3:26, 5:24, 7:22, 9:20 (no 11:30 Sundays).

THEATRES

Charles Playhouse—'Hamlet,' by William Shakespeare; Dec. 15-Jan. 22; Tues., Wed., Thu., Fri., 8:30 p.m.; Sat. 5 and 9 p.m.; Sun. 3 and 7:30 p.m.
Colonial Theatre—'The Homecoming,' by Harold Pinter; Dec. 19-31; Mon., Tue., Wed., Fri., 8:30 p.m.; Thu., 2:15, 8:30 p.m.; Sat., 2:30, 8:15.
Loeb Drama Center—Sir George Etherege's 'The Man of Mode,' Dec. 8-11, Dec. 14-17, 8:30 p.m.
Theatre Co. of Boston—'Armstrong's Last Goodnight' by John Arden; thru Dec. 18; Tuesday-Friday, 8:30; Sat., 6, 9:30 p.m.; Sun. 5, 8:30 p.m.; \$2.25-\$3.75.
MIT Dramashop—'Heartbreak House,' by G. B. Shaw; Fri., Sat., 8:30 p.m., Kresge Little Theatre, \$1.50.



1. Um...uh...now that we know each other a little, I was wondering if, uh, you think I'm the type of guy you could go for?

I could go for a real swinger.



2. I have an exciting pipe collection.

I want to be where the action is.



3. I know some daring chess openings.

I want a man who's making it happen.



4. I read all about it in The New York Times.

I want to do 'in' things with 'in'-people in 'in' places.



5. I spend a lot of time in the library.

My motto is fun today and fun tomorrow.



6. Then I guess you wouldn't be interested in someone like me who has landed a good-paying job that will let his family live well and who, in addition, has taken out a substantial Living Insurance policy from Equitable that will provide handsomely for his family if, heaven forbid, anything should happen to him.

How's about showing me that pipe collection, swinger?

theatres...

Foppery ridiculed in 'Man of Mode'

By Jack Donohue

Foppery, coquetry, knavery—these are the stock elements of the Restoration comedy. The Man of Mode, as the title suggests, is no exception. In it, amorous interplays form a framework for the witty bursts of gibe and repartee.

The main character, Dorimant, is a knave. He is, at any moment in the play, trifling with the emotions of two (or usually three) women. One of his women, Mrs. Loveit, a shrewish vixen who has dropped from his favor, decides to play the coquette. This is where the fop comes in. An almost incredibly ludicrous character, Sir Fopling Flutter, the would-be French dandy, is used by Mrs. Loveit to excite Dorimant's jealousy. These complications generate the action for four acts, until they are finally resolved to everyone's satisfaction in the last.

As in most Restoration comedies, there is no particular moral, the knave being one of the most engaging characters (although he does repent, at least nominally, in the end). The idle rich remain idle, the coquetry continues, and the audience has been, if not uplifted, at least entertained by the sallies of wit throughout.

'The Man of Mode,' by Sir George Etherege, starring Mr. Keith as Dorimant, Mr. Kozol as Medley, Mr. Senelick as Sir Fopling Flutter, and Mrs. Pitzele as Mrs. Loveit, produced by Francine Lida Stone, directed by Robert Chapman, playing this weekend at Loeb Drama Center.

The choice of this play by George Etherege, as opposed to one by a more famous Restoration writer, for example, Congreve, is curious. It is refreshing to see another playwright's efforts in this genre, and those who see it will surely say that Sir Fopling Flutter ranks with Mrs. Malaprop as a delightfully ridiculous character.

A Restoration comedy is by nature hard to produce. The dialogue must be convincing, not in contemporary speech, but in the manner of speaking of that period. In essence, it must be

affected. The players seemed to achieve this with a degree of success, the several lapses in dialogue serving only to accentuate the good performances. In particular, Mr. Senelick, as Sir Fopling Flutter, was magnificent. It is unfortunate that Etherege introduced him into the play as late as he did, and that this lovable fool had a lesser part in the play as a whole.

The costumes and staging were both excellent, and, in this respect, the play hardly seemed like a college performance.

One criticism of the play is that it tends to drag in parts, perhaps due to the players, perhaps due to the script, or both.

The production, however, is thoroughly enjoyable, and should be attended, if only to see Sir Fopling parade around with his cocker spaniel and entourage, and utter strange noises.

Jazzman Ornette Coleman featured in Kresge tonight

By Jack Bernstein

For those who follow the jazz world, it can be said that this is the year of Ornette Coleman, alto saxophonist and violinist. Since his return from Europe last May, he has received more awards and recognition than any jazzman in the past decade.

With David Izenzon, bass, and Charles Moffett, drums, Coleman toured Europe and the British Isles, appearing in night clubs and concert halls, receiving rave critical acclaim.

Upon his return, the Downbeat International Jazz Critic's Poll voted his recording, 'The Ornette Coleman Trio at The Golden Circle Stockholm' as the best record of the year. Recently he was featured in an article on 'The New Jazz' in Newsweek magazine, and just this week was voted Jazzman of the Year in the annual Downbeat Reader's Poll.

His appearance tonight at MIT marks the second time he will be performing for a college audience (Cornell was first) and indicates a desire to reach a wider audience with his music. With Izenzon, who plays bass in the classical bowed manner, and Moffett, whose rhythmical figures defy description, this should be one of the most important musical events of the year.

Relax and Divert

CAMPUS CUE

590 Commonwealth Ave.
(Opposite B.U. Towers)

Pocket Billiards

"Great for a Date"

RACKETS RESTRUNG

One-Day Service

Tennis & Squash Shop

67A Mt. Auburn St., Cambridge
(Opp. Lowell House)
TR 6-5417

New at the Balsams... WILDERNESS SKI AREA

Close up the books! Check your skiing gear! The stage is set for skiing you'll never forget at the magnificent new WILDERNESS SKI AREA nestled in the unspoiled northern White Mountains. Comfortable bunkhouse style accommodations are available at the Wilderness Inn—or, if you prefer, at the luxurious BALSAMS HOTEL.

The area features eight professionally planned slopes—a 4000 foot riblet chairlift—750 foot T-bar—and downhill runs as long as two miles. Vel Gardner, Professional Ski Instructors of America member, heads the ski school. Ski rental and repairs are available.

The ultra-modern Base Lodge features toe-toasting fireplaces, comfortable lounges, companionship, and a most spectacular view of the area. Phone or write for reservations and additional information. Gala live entertainment during the season. Get the crowd together and head for the WILDERNESS SKI AREA. It's new! It's different!

WILDERNESS SKI AREA

Dixville Notch, New Hampshire

Phone 603-255-3400

Boston Office 617-227-8288

For information about Living Insurance, see The Man from Equitable. For career opportunities at Equitable, see your Placement Officer, or write: Patrick Scollard, Manpower Development Division.

The **EQUITABLE** Life Assurance Society of the United States
Home Office: 1255 Ave. of the Americas, New York, N.Y. 10019 • Equitable 1966
An Equal Opportunity Employer, M/F

Indian virtuoso

Khan captivates audience

By Ralph Earle

Wednesday evening Ali Akbar Khan demonstrated the art of Indian classical music to a full Kresge Auditorium. To Western ears the exotic sounds of the sarod, tamboura and tabla are certainly titillating, but an appreciation of their intricacies is challenging.

Khan's art is that of improvisation. The subjects he manipulates are specified, traditional ragas, scales which set both the mood and the structural framework for the performer's self-expression. Khan's musical knowledge is extremely broad, and therefore his improvisations are a very personal medium. This can bring a wealth of creative resources to his performances, but it can also create problems for the listener.

For example, in his first raga, the melodic structure was not always in focus. Khan would dwell on a figure, testing it, casting it in one light, then another. The

episodic nature of this treatment back at him out of the tabla and eclipsed the form to emphasize the mood of devotion tempered with sadness and demonstrated that his improvisation could not be taken literally.

Khan was joined by his tabla player, Mahapurush Misra, for the second raga. The interplay between the serene master and his impish accomplice was the highlight of the evening. Khan would challenge his gadfly with a phrase and it would come right

(Please turn to Page 9)



Enjoy the Finest Italian-American Food and Delicious Pizza

Simeone's

ITALIAN-AMERICAN RESTAURANT
Choice Liquors and Imported Beers

21 BROOKLINE STREET, CAMBRIDGE — Tel. EL 4-9569
(at Central Square)

★ Open Every Night 'til Midnight — Free Parking
★ Ask about Student Discount Books



Talking Rock

By Don Davis

When the Beach Boys' managers told me last spring that their next non-'Pet Sounds' single would be their greatest ever, I didn't think much of it. However, they were right; 'Good Vibrations' ranks with 'I Get Around' as their best selling record, and as a work of art it is one of the greatest things to happen to pop music. It combines imaginative writing by Brian Wilson, painstaking production, full use of the Beach Boys harmonious blend of voices, and introduction of electronic music to the masses.

Strong season for Motown

Despite the fact that it was the Beach Boys' fastest selling single ever, it was number one for only one week. This is in large part due to its release at the same time as two other number one songs, 'Winchester Cathedral' and 'You Keep Me Hanging On,' both of which made it for two weeks. The latter, one of the Supremes' better efforts and their eighth number one song (they rank a strong third to Elvis and the Beatles in this category), was another in a string of winners from Berry Gordy's Motown organization this fall, undoubtedly the strongest season yet for America's leading single record producer. Presently Gordy's gang has five out of the nation's top twenty, equalling their high, with the Supremes (5), Stevie Wonder's 'A Place in the Sun' (10), the Temptations' 'I'm Losing You' (12), Martha and the Vandellas' 'I'm Ready for Love' (14), and the Miracles' 'I'm the One You Need' (17).

Beach Boys consistent

Anyhow, 'Vibrations' became the Boys' third number one record, following 'I Get Around' (four weeks) and 'Help Me Rhonda' (one week). The most consistent group in America (the Four Seasons are older but have missed several times and the Supremes aren't as old) since they hit national prominence with 'Surfin Safari' in September, 1962, they have hit the top twenty with sixteen consecutive major singles releases (disregarding 'Little Saint Nick'), fourteen of which have hit the top ten. It seems like more, too, because of two-sided hits like 'I Get Around'.

'Don't Worry Baby' and 'Surfer Girl'/'Little Deuce Coupe.'

Top groups missing

Consistently high sales is hard to maintain in today's market, as many groups are finding out. The fact that in September they probably were the three top American white groups worked no magic for the Association, Mama's and Papa's, and Lovin Spoonful. The Association's followup to 'Cherish' (number one for three weeks) has been out for a month now. However, 'Pandora's Golden Heebie Jeebies' has not been played in Boston and is only 39 nationally. The Mama's and Papa's could hit only 24 with 'Look through my Window,' and 'Words of Love' doesn't appear much more promising. And unless I miss my bet, the Spoonful's 'Nashville Cats,' their C&W single culled from their 'Hums' album, will be hard pressed to make the top 20.

Writing genius

A major reason for the Beach Boys' consistent winners is the writing genius of Brian Wilson, who adapts his style to the time, establishing trends as he goes. He spent seven months off-and-on writing 'Good Vibrations,' refusing to travel with the group so that he could give it his full attention. The Beach Boys spent sixty hours and \$10,000 recording the record, with all six of them joining on the harmony. Bruce Johnston is now an official Beach Boy, both recording and traveling with them. Incidentally, he is the only unmarried BB now, the girls on the cover of their party album being several of their wives.

Electronic music

The instrument responsible for the psychedelic whinnings which occur frequently throughout 'Vibrations' is the theremin, as far as I know the first truly electronic instrument used in a commercial single. The audio frequency which operates the loudspeaker is the beat caused by two radio-frequency oscillators. The difference in frequency of these oscillators is determined by the proximity of the player's hand to a short rod antenna which is charged with alternating current from the second oscillator. The volume is controlled similarly by the player's other hand.

Ski club to meet after Christmas

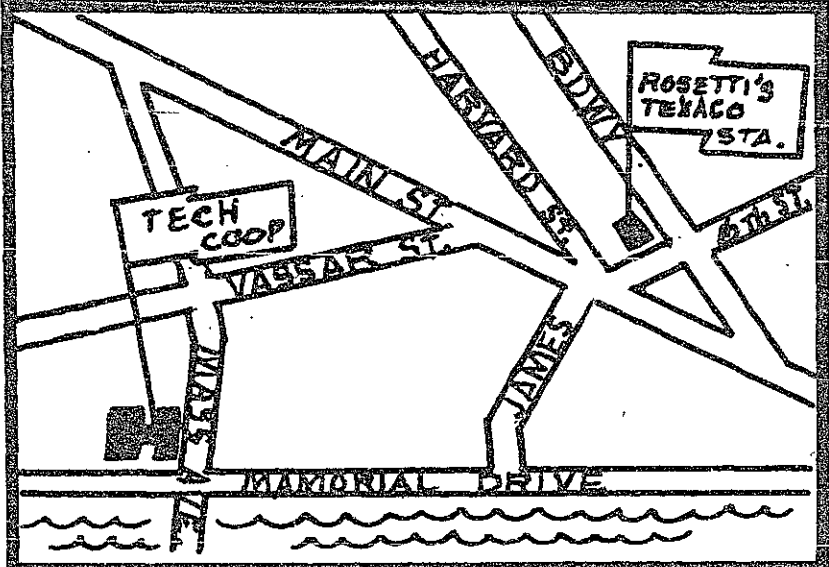
Due to the large number of people interested in the new Ski Club, there will be an organizational meeting immediately after the Christmas vacation. The meeting will take place in room W20-491, adjacent to the Incomm office, in the Student Center. It will be held at 5:30 pm, Thursday, Jan. 5. Ski Club membership is open to the MIT community. The meeting will be held in order to decide club policies and activities.

HARVARD SO UN 4-4500

Today and Tomorrow
Alfred Hitchcock's
"TORN CURTAIN"
1:30, 5:35, 9:30
PLUS
"BLINDFOLD"
3:45 and 7:55
Sunday-Monday-Tuesday
The Original 1931
"FRANKENSTEIN"
and **"DRACULA"**

BRATTLE SO TR 6-4926

Today:
Peter Lorre-Sydney Greenstreet
"THE MASK OF DIMITRIOS"
Saturday and Sunday
"ROOM AT THE TOP"
Shows daily 5:30, 7:30, 9:30
Matinees Sat. and Sun. 3:30



Map Your Winter Course

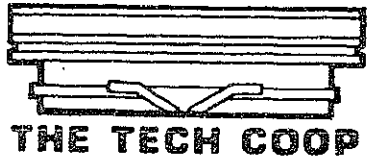
Follow the map to ROSETTI'S TEXACO STATION (corner of Broadway & 6th in Kendall Square). Use your Coop Membership Card to charge gas, oil, batteries, tires and tune-ups. And now is the time to winterize your car with snow tires.

UNICORN PRESENTS IN CONCERT
Friday Jan. 6, 1967 8:30 P.M.

JORDAN HALL

ERIC ANDERSEN

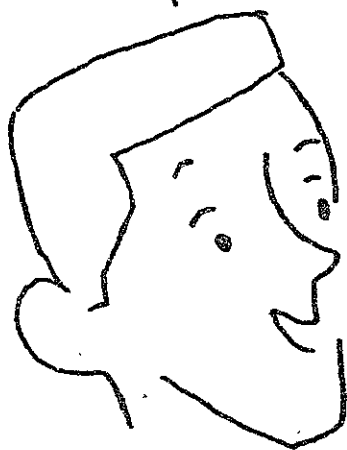
Mail orders: check or money order payable to Unicorn Coffee House, Boston, Mass.



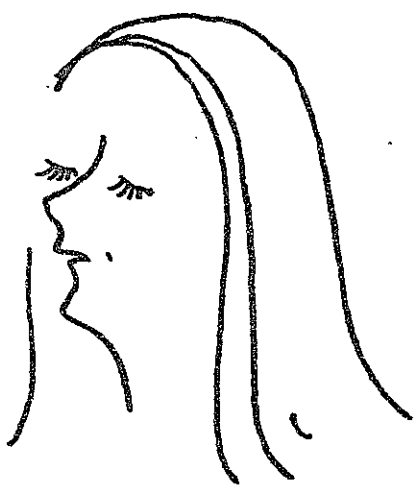
THE TECH COOP
IN THE M.I.T. STUDENT CENTER

OUR 50th ANNIVERSARY YEAR

Like, I'm splitting,
baby. I got a
whole new bag for
next year



UCLA?



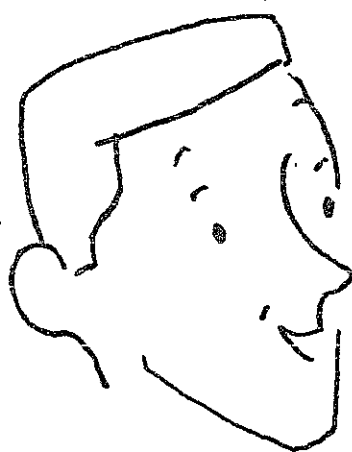
Ideasville.
Freedomland.
Initiative City,
USA!



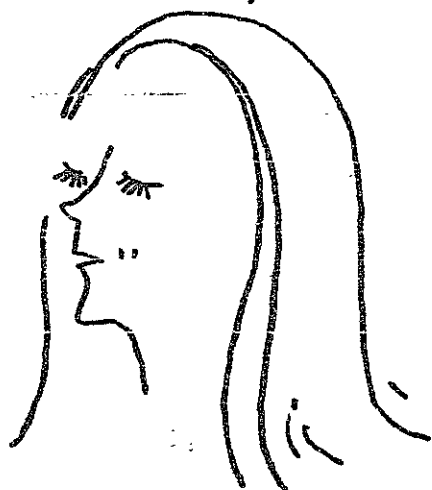
Antioch? Wesleyan?
Carlton? Purdue?
Cal Tech? Stetson?



Status. Face.
Perspective
and bread.



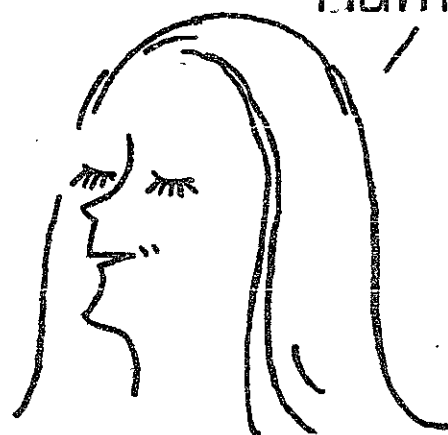
Swarthmore?
Must be YALE!
Colorado? Iowa?
Texas Tech?



They're really
making it in advanced
research, classe
relays and
exotic metals...



Rice?...
I know **TCU!**
Brown?
Not Bennington?!
Hunter?



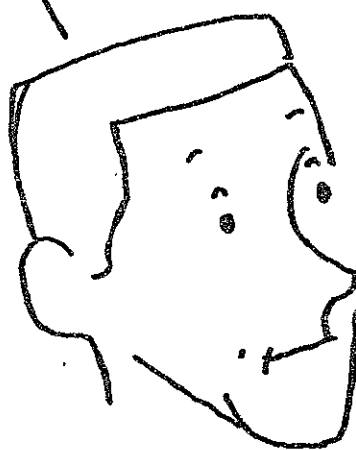
No, Man,
GT&E



GT & what?



GT&E
General
Telephone
& Electronics.



Is it Coed?



General Telephone & Electronics is a fast-moving, fast-growing company of individuals. 135,000 of them. In almost every state, almost every country, making a personal contribution to their world.

You probably know our Sylvania company. Invented the

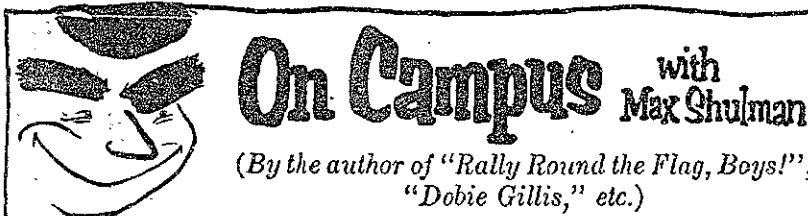
Flashcube. Just built two new ground stations for Comsat. Experimenting now with a new kind of headlight for the Chaparral. Young ideas. In marketing. Research. Every area. We're eager for more ideas. General Telephone & Electronics, 730 Third Avenue, New York City 10017.

GTE

Institute libraries release Xmas holiday schedules

All Institute libraries will be closed Dec. 25 and 26 and Jan. 1 and 2. The Aeronautics, Materials Center and Space Center libraries will be closed Dec. 24 and 25. Most institute libraries will shorten their hours during the holidays. For more specific information, consult individual libraries. Regular hours resume Jan. 3.

YELLOW CAB SERVICE
ALL CABS RADIO EQUIPPED
Dial MIT X2303



'TIS THE SEASON TO BE JOLLY

I know how busy you are—studying, going to class, helping old grads find their dentures after Homecoming—but, hark, the Yuletide is almost upon us and it's time we turned our thoughts to Christmas shopping.

We'll start with the hardest gift problem of all: what to give the man who has everything. Well sir, here are some things I'll bet he doesn't have: 1) A dentist's chair. 2) A Mach number. 3) A street map of Perth, Australia. 4) Fifty pounds of chicken fat. 5) A pack of Personna Super Stainless Steel Blades.

"What?" you exclaim, your eyebrows leaping in wild incredulity. "The man who has everything doesn't have Personna Super Stainless Steel Blades? What arrant nonsense!" you scoff, making a coarse gesture.

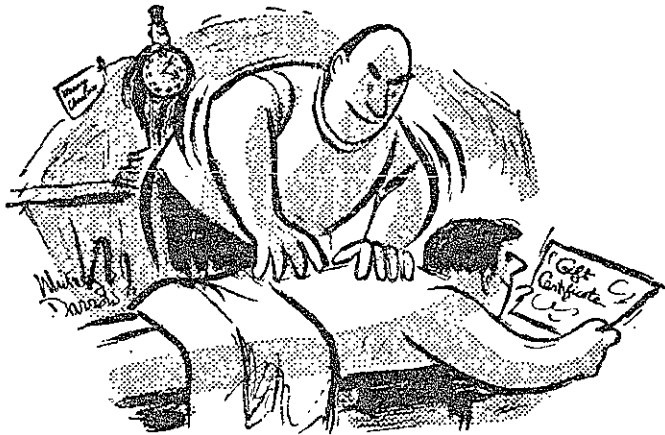
But I insist. The man who has everything doesn't have Personna because everyone in the dorm is always borrowing them. And small wonder! Wouldn't you be there with an empty razor and a supplicating sidle if you heard somebody had super-blades that were super-sharp and super-durable; that scrape not, neither do they nick; that shave you easily and breezily, quickly and slickly, scratchlessly and matchlessly; that come both in Double-Edge style and Injector style? Of course you would!

So here is our first gift suggestion. If you know a man who shaves with Personna, give him a safe.

Next let us take up the thorny problem of buying gifts when you have no money. Well sir, there are many wonderful gifts which cost hardly anything. A bottle of good clear water, for example, is always welcome. A nice smooth rock makes a charming paperweight. In fact, one Christmas back in my own college days, these are exactly the gifts I gave a beauteous coed named Norma Glebe. I took a rock, a bottle of water, a bit of ribbon, and attached a card with this tender sentiment:

*Here's some water
And here's a rock.
I love you, daughter,
Around the clock.*

Norma was so moved, she seized the rock, smashed the bottle, and plunged the jagged edge into my sternum.



Here now is a lovely gift for an American History major—a bronze statuette of Millard Fillmore with a clock in the stomach. (Mr. Fillmore, incidentally, was the only American president with a clock in his stomach. James K. Polk had a stem-winder in his head and William Henry Harrison chimed the quarter-hour, but only Mr. Fillmore of all our chief executives had a clock in his stomach. Franklin Pierce had a sweep second hand and Zachary Taylor had 17 jewels and Martin Van Buren ticked but, I repeat, Mr. Fillmore and Mr. Fillmore alone had a clock in his stomach. Moreover, Mr. Fillmore was the first president with power steering. No wonder they called him "Old Hickory!")

But I digress. Returning to Christmas gifts, here's one that's sure to please—a gift certificate from the American Society of Chiropractors. Accompanying each certificate is this fetching little poem:

*Merry Christmas, Happy New Year,
Joyous sacro-iliac!
May your spine forever shine,
Blessings on your aching back!*

*May your lumbar ne'er grow number,
May your backbone ne'er dislodge,
May your caudal never dawdle,
Joyeux Noel! Heureux massage!*

* * *

And greetings of the season from the makers of Personna Super Stainless Steel Blades, Double-Edge or Injector, and from Personna's partner in shaving luxury, Burma-Shave, regular or menthol.

Six hundred mourners attend solemn funeral for departed hamster

(Continued from Page 5)

launched to collect Life for a paper drive. Within days it was difficult to find a current issue of Life in Southeastern Iowa.

The general campus atmosphere is summed up by Parsons history professor J. Wilson Ferguson, "One could only cause a riot here if he forbade students to have cars or set curfew at 8:30. Interest on campus lies in sex, booze, and fun. Activities of the mind are, to say the least, sparsely supported."

Any more care to apply?

Rest in Peace

When Mr. Harriet Hamster, pet of an Ohio State student, passed on to his eternal reward, he was given a fitting funeral. About 600 students marched in procession with the dearly departed.

He was placed aboard a raft, which was set on fire (a la Viking) and launched into the river. A custom-built casket entombed the body. The hamster had lain in state as an estimated 350 people viewed the body. Someone donated a \$7.50 floral arrangement. RIP.

ARE YOU UNDER 35?

LOOK AT THIS!

**5-Year
Renewable Term
Savings Bank
Life Insurance**

SAVINGS BANK

SBL

LIFE INSURANCE

\$25,000

for less than \$75 a year

\$20,000

for less than \$60 a year

\$15,000

for less than \$45 a year

\$10,000

for less than \$30 a year

\$5,000

for less than \$15 a year

These are the average annual net payments for five years, based on current dividend rates, if you buy while under age 35. Dividends are not guaranteed. We will gladly quote premium rate for your age, without obligation.



**CAMBRIDGEPORT
SAVINGS BANK**

Right in Central Sq.,

Cambridge

Life Insurance Dept.

864-5271

Kibitzer...

(Continued from Page 5)

which declarer won in his hand, as East discarded a spade. Declarer had just one possible chance to make the contract. If East now held King-fourth of spades and a stiff Jack of diamonds, he could be thrown in with the diamond and forced to lead a spade to the board. However, when declarer exited with a diamond, East had a second diamond to cash, thus setting the contract. East was forced to lead away from his spades, giving declarer an entry to the board, so declarer was able to hold his losses to down one.

South could have simplified the hand, if he had won the first trick with the Ace of hearts, rather than the six. Then, when he needs an entry to the board, he can lead low to the Queen of hearts and still have a small heart as

an entry, even if West rises with the King.

Eliminates entry

East's play at trick one worked quite well. He reasoned that declarer had to hold either the Ace or King of hearts in order to have the strength for his opening bid. Declarer then held a double stopper in the heart suit, so that the defenders would be unable to run the suit. As long as there is an entry to dummy, East can count a spade, two hearts, a diamond, and five clubs for declarer. The defense's sole hope was to eliminate the entry to dummy.

If South holds Ace-third or King-third, East might be able to block the heart suit, if he can convince declarer to play a small heart at trick one. Consequently, he did not play the Jack of hearts, and declarer fell for the trick.

Coeds edged by Brandeis in opening fencing match

Tech's women's fencing team match between ten girls, the lost to Brandeis in their initial final bout broke the 12-12 tie and meet of the season. In a close gave Brandeis the victory.

Indian music displays virtuosity and power

(Continued from Page 7)

sages and embellishments which implied harmonic variations. They struck me as being Western, or at least, not in strict character. But the coruscating rhythm spoke unmistakably despite this complexity and the audience responded immediately to this thrust.

Through many moods and intricacies, it was an exciting and absorbing evening.

MIT students head foreign exam scores

MIT students lead the nation in scores earned in Foreign Service Examinations. Students from Harvard, Yale, and Princeton are down on the list.

IS YOUR THESIS OPAQUE?

It ought to be. A high quality thesis includes high quality paper and that's why you should have yours Xeroxed at GROMON COPY.

Please call us at 868-2715 to discuss your particular copying needs.

5¢ for the first copy of your original page

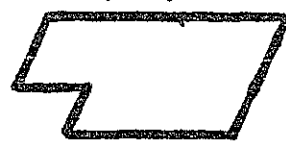
3¢ for each additional copy, up to ten

2¢ for each copy, eleven and up

Our regular copying prices apply to the best bond paper available from Xerox Corp., BUT if you want THE BEST you can have it!! EITHER you supply the paper of your choice at regular copying charges (please consult us before buying); OR WE will deliver your copies to you on highest quality 25% rag content bond paper (your choice of 16 or 20 pound weight) at an additional charge of only 1/4¢ per copy!

Our regular copying charges (both 8 1/2" x 11" and 8 1/2" x 13" sizes) are:

40 Copies per minute — While you wait or overnight! (Sorry we can't help you with thesis content)



**gnomon
copy**

Between MIT
and
Central Sq.

319 Mass. Ave

Cambridge, Mass.

Open 9-6 Mon.-Sat. 868-2715

Dix introduces change

IM Council revises format

By Herb Finger

In the light of the recent policy to incorporate women into the MIT athletic program, the Intramural Council has taken steps to give the Association of Women Students a seat on the Council on the same basis as the Non-Resident Students Association or the IFC. The motion will be discussed and voted on at the next

meeting in January.

The Council is also in the process of restructuring itself. A motion proposed by IM Vice President Bill Dix '67 would have an Executive Committee consisting of the IM V.P., the IM secretary, two appointed members and one elected member. The duties would include revising the IM Handbook, examining chron-

ic problems of the Council, and presenting recommendations. Action on Dix's proposal will also be taken at the next meeting.

Water Polo, an experimental sport last year, was made a Semi-Major sport which will be conducted in the spring season.

In view of the fact that the IM wrestling tournament has become more of a try-out for the freshman wrestling team than a truly intramural tournament, the IM council moved to change the Collegiate Style Wrestling Tournament to March when most tournaments are traditionally held.

A growing concern has been expressed by the administration about the perils of intramural football. An exceedingly large number of injuries has shed some doubt on the advisability of continuing the program. The Council has therefore set up a committee headed by Dave Schramm '67 to investigate (1) the possibility of the use of padding in future contests, (2) the qualifications of the referees and the effect that they have on these injuries, and (3) the exact type of injuries in order that their cause can be determined and preventive measures can be formulated.

Bridge Club announces results; IM Tourney to begin this month

The Intramural Bridge Tournament, sponsored by the MIT Bridge Club, will include 39 teams competing in 10 leagues. Favored teams are last year's winner, Math Department, Math Students, and Burton A. First round matches must be played by December 31st.

The results of the full master point game for December were announced. North-South winners were: 1. Marty Levin '67 and Judd Schwartz '68; 2. Dave Beer and Jeff Passel '69; 3. Arthur Ross and Ken Koenig. East-West winners: 1. Ed Krugman '69 and Burt Bramley '69; 2. Mark Bolo-

tin '68 and Mike Chasan '67; 3. Bill Horton '68 and Joe Viola '69.

The results of the Men's Pairs Club Championship were also announced. First place went to John Benoit and Bill Daly. Other placers were: 2-3. (tie) Bob Creecy '70 and Henry Seltzer '67; and Dave Beer and Dick Freedman '65; 4. Mark Bolotin '68 and John Hrones '68; 5-6. (tie) Emmet Keeler and Mark Thompson; and Dave Olson '68 and Ngok Ming Cheung '68.

The Full Master Point game for January will be held Saturday, January 7, at 1 pm in room 407 of the Student Center.

Squash team downed, 9-0; McGill U. scheduled tonight

By Roger Dear

MIT's varsity squash team will attempt to even its season record at 2-2 tonight when the Beavers host McGill University of Montreal. The match will be held at DuPont at 7 pm. Last Friday the Beavers were overwhelmed by a very strong Army team, 9-0. The Cadets won five of the individual contest by 3-0 scores, one by 3-1, and three by 3-2.

Eric Coe '67, playing in the

number one position was the first Beaver to fall, losing to Army's captain, 15-9, 15-9, 17-14. Ken Wong '68, number two man, pressed his opponent, Barry Conway, to the full five games, but Ken was defeated, 12-15, 15-8, 15-12, 11-15, 15-4. Mit's captain, 'Chye' Tantivit '68, playing in the third slot, also had his contest go to five games. In the decisive final game Chye's opponent, Lee Cage, just managed to squeak out a victory, 15-10.

Bob Melanson '68 played what turned out to be the closest match of the evening, when he lost to Dick Bowers in five games. Playing in the number eight slot, Bob lost the first two games by 15-14 scores. He rallied to win the next two games, 15-10 and 15-11, but he bowed in the final game, 15-13.

Class of '70 sponsors annual beaver pin sale

The annual sale of beaver pins is now being conducted by the class of 1970. Orders are being taken through Monday afternoon in the lobby of building 10 and by Freshman Council representatives.

advertisement


are you coming?

SUBJECTS WANTED!!!

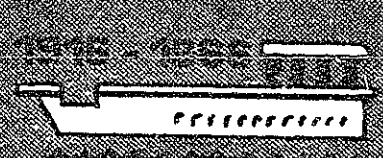
For experiments testing specialized photographic equipment. Experiment will take up to 4 hours (days only including weekends) and we will pay \$2 an hour — no special knowledge required, but subjects should be able to see reasonably well without glasses or contact lenses. Contact Barry Young at the Joint Center for Urban Studies. Phone 868-1410 Ext. 73

After December 18...

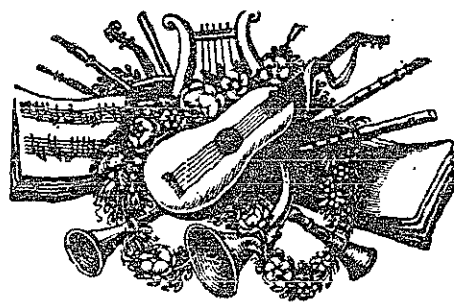
The Tech Coop Lobby Shop will no longer be open on Sundays after December 18th. Otherwise, regular store hours will prevail. Pass the word.



THE TECH COOP
IN THE M.I.T. STUDENT CENTER



OUR 50th ANNIVERSARY YEAR



Make it a long-playing Christmas.



From Munch to the Monkees and everywhere in between, all of the great RCA Victor sounds are now available to you at the new Harvard Coop Bookstore and Record Shop. Extend your Christmas season with many hours of enjoyable listening pleasure... or give that pleasure as a gift to someone you care for.

The new Coop Bookstore and Record Shop is fully-stocked for Christmas shoppers with an ear for music. Here are a few of the popular RCA Victor LP's available to you on the Second Floor:

BEETHOVEN VIOLIN CONCERTO (in D)—Heifetz, in his own unsurpassable style, performs Beethoven's only Violin Concerto: Munch and the Bostonians excel. Stereo 3.90 Mono 2.90

GLENN YARBROUGH/The Lonely Things—Glenn Yarbrough sings songs for lonely lovers. Included are the title song plus "The Women," "Hello," "I Wonder" and more. Stereo 2.90 Mono 2.40

THE MONKEES—The debut album by this exciting new group includes "Last Train to Clarksville" and others. Manufactured and distributed by RCA Victor. Stereo 2.90 Mono 2.40

THE BEST OF ARTHUR FIEDLER AND THE BOSTON POPS—Includes "Jalousie," "Blue Tango," "Hello, Dolly!," "I Want to Hold Your Hand," "The Yellow Rose of Texas," "Warsaw Concerto." Stereo 3.90 Mono 2.90

CALYPSO IN BRASS/BELAFONTE—Old calypso favorites with today's new brass sound. "Hold 'Em Joe," "Man Smart, Woman Smarter," "Jump in the Line," and others. Stereo 2.90 Mono 2.40


PRESENTING MONTERRAT CABALLE—Caballe's RCA Victor debut album! Includes arias from Bellini and Donizetti operas. Heavenly singing. Stereo 3.90 Mono 2.90

CHARLES IVES/SYMPHONY No. 1—Premiere recording of Ives' First! The "Unanswered Question" and "Variations on 'America'" included in this album. Stereo 3.90 Mono 2.90

LEONTYNE PRICE—Here are nine arias Miss Price has never sung on stage. Her singing in this album is truly superb. Stereo 3.90 Mono 2.90

WAGNER/LOHENGGRIN—A monumental recording! A crowning Wagnerian achievement in unsurpassed sound. 5 LP's with libretto. Stereo 3.90 ea. disc Mono 2.90 ea. disc

JULIAN BREAM/BARoque GUITAR—Master guitarist plays two Bach transcriptions plus other fine baroque works for his instrument. Stereo 3.90 Mono 2.90



THE TECH COOP
IN THE M.I.T. STUDENT CENTER



Burton, Fiji fives still unbeaten

By Joel Hemmelstein

The Intramural basketball race has opened up as Burton A and Phi Gamma Delta hold undisputed first place in their respective leagues. The Fijis whipped Burton B, 58-33, while Burton A won twice in the week's action.

The Fijis led all the way and found Burton B easy game for their accurate shooting from the field. Don Baron poured in 20 points, as the Burton defense couldn't adjust to stop the long set shot. Walt Maling '69 con-

tributed 13 points to the Fiji cause.

Burton A tops AEPI

Burton A's superior height proved to be the difference in their 51-39 victory over Alpha Epsilon Pi. Fouls played a major factor as the victors picked up 19 foul tosses. Marc Seelenfreund '68 led both teams with 23 points and used his height to convert many baskets in close. Mike Gelberg '67 scored 13 for the Pis, followed by captain Gerry Banner '68 with 11.

Burton A tacked another win onto its streak with a 64-52 win over Sigma Chi. Lee Kammerdiner '67 sparked the Burton five with ten field goals while teammate Seelenfreund notched nine from the field and sank two fouls

for 20 points. Ron Norelli '67 took game scoring honors with 21 markers. John Fitts '67 tallied 14 in the losing effort.

SAE keeps pace

SAE continued on the heels of Burton A in League I by trouncing the same Sigma Chi squad 67-37. Fred Souk '67 scored 18 for the SAEIors and was given substantial assistance from Guille Cox '68 and Don Paul '67. Norelli again captured game honors with 23 points.

Other scores:

Club Med 56, Chi Phi 34;
Phi Delta 34, Burton E 24;
Meteorology 26, EC Weasels 25;
Fiji B 32, Phi Mu Delta 25;
ZBT A 35, Sigma Nu 32;
SAE E 39, Pi Lam B 32.

Fresh sports
Courtmen lose, 61-59; thinclads, mermen bow

By Paul Baker

Freshman athletics suffered a disastrous week as each of the three competing teams were defeated.

The hoopsters dropped a squeaker to Bowdoin Wednesday evening, 61-59. In a sluggish first half, Bowdoin jumped in front 27-23. Play was marred by several controversial and also contradictory calls by the referees. Tech gradually narrowed the gap as play resumed, and knotted the score with a minute remaining.

Bowdoin, however, chalked up four points on a field goal and two free throws, while MIT managed to connect for only one basket.

Bruce Wheeler and Steve Chamberlain topped the Tech scoring column with 15 points apiece. Bob Vegeler and Nick Mumford chipped in 11 and 10 points respectively.

In the second half, Wheeler was outstanding on defense; Nick Mumford also looked good on the boards.

SPRING VACATIONS
to
Bermuda \$175
Nassau \$190
Jamaica \$229

For information contact
Rick Mazer
TECH TRAVEL SERVICE*
X2924, 864-3194, 787-3699
*An agency of TSE

N.H. Ski House

Three bedroom 1860 country home. Fireplace, piano, oil heat, new kitchen and bath. Close to Gunstock. \$600 for Feb.-March rental. Family preferred.

Mr. Moll, 9-5
UN 8-7600, Ext. 4422

All season clothing: coats, suits, dresses, blouses, cashmere sweaters and skirts, cocktail dresses (some beaded), shoes and storm boots (sizes 6-8 1/2). Sunbeam Mixmaster with juicer, and many articles suitable for Xmas gifts—costume jewelry, Savoy camera, handkerchiefs, luggage, lamps, and other misc. articles. Swap trading stamps

Phone 734-3219

Trackmen lose to Tufts; look good in field events

By Jim Yankaskas

Tech's indoor track team suffered its third defeat in as many encounters as they bowed to Tufts, 70-43. The engineers again lost because of weakness in several events; they were scoreless in five events.

Tech's strength in the field events was apparent as they collected 35 of the 45 possible points in these five events. Four of the events were won by Techmen. MIT swept the 35 pound weight throw once again, with Gordon DeWitte '67, Dave Osborne '67, and Art Von Waldburg '67 taking the three places. Pete Maybeck '68 and DeWitte placed first and second in the shot put.

Greg Wheeler '67 won the long jump at 21' 8". Steve Sydorik '68 easily won the pole vault and was followed by Steve Schroeder '67 who placed third. In the high jump Von Waldburg placed second, while John Schmitz '69 and Dave Ogrydziak '68 tied for third.

Both the high and the low hurdles were again swept by the opposition. The engineers failed to score in the 50 yard dash and the mile relay, and were shut out in the mile run. The last event was won by Caseley of Tufts in a record-breaking time of 4:18.5.

Bob Karman '67 won the 1000 for Tech's only running victory. MIT's only other scoring was by Bob Dunlap '67 and Stan Kozubek '69, who got second places in the 600 and the two mile, respectively.

MIT's next meet is at home with Columbia January 7.

Thinclads topped

The cindermen made a very poor showing against Tufts Tuesday, losing 68-44. Except for the fabulous running of Ben Wilson, the meet would have been a total disaster. Wilson captured three first places: the 1000-yard run in 2:24, the mile in 4:25.9 and the two-mile in 9:54. The only other Techman to place first was Art Lautenschlager, who copped the weight throw with a toss of 41'3".

While Tufts did have a strong team with good depth, MIT is weak in the broad jump, pole vault and high hurdles.

The frosh mermen were annihilated Tuesday by the University of Connecticut, 70-25.

The Tech swimmers won only three events and finished second in one. Bob Rorschach increased his winning streak to four as he once again placed first in the diving event. Jim Bronfenbrenner outstroked his competition in the 200-yard butterfly; Jeff Ellison captured the 100-yard freestyle and finished second in the 50-yard freestyle.

Louis Edelson and Steve Kinney both finished third in two events. Edelson placed in the 50- and 100-yard freestyle, and Kinney, in the 200-yard individual medley and 200-yard breaststroke.



"We All Come Home Or Ought To Come Home For A Holiday."

Charles Dickens
"A Christmas Tree"

Happy Holidays from the management and staff of the
Harvard Cooperative Society

THE TECH COOP
IN THE M.I.T. STUDENT CENTER

OUR 50th ANNIVERSARY YEAR

Scuba Diving Classes
Seven Days a Week.
All Equipment Supplied.
Avenue 2-5818

SKI EQUIPMENT
Large Variety — Famous Brands
Tennis & Squash Shop
67A Mt. Auburn St., Cambridge
Opp. Lowell House TR 6-5417

BULLETIN No. 29 M.I.T. STUDENTS • FACULTY • STAFF WINTER 1966-1967

OVER 25,000 TIRES IN STOCK INCLUDING FOREIGN AND COMPACT SIZES

MAY PURCHASE **WINTER TIRES** At Wholesale Prices

NEW Perfect Quality **GOOD YEAR** or **Firestone** or **B.F. Goodrich** or **US** TUBELESS

FULL RETREADS
Perfect Quality
GOOD YEAR Suburbanite and **Firestone** Town & Country
\$8.95
ALL 13" & 14" SIZES
NO TAX TRADE-IN REQUIRED



600/650x13	\$9.98	P.27.
775/750x14	\$12.95	\$1.20
825/800x14	\$13.95	\$2.20
855/850x14	\$15.83	\$2.34
775/670x15	\$12.95	\$2.57
815/710x15	\$13.95	\$2.71
845/760x15	\$15.83	\$2.88
900/915/820x15	\$17.80	\$2.99

No Trade-In Required

NATION-WIDE GUARANTEE
NO LIMIT ON MILES • NO LIMIT ON MONTHS
(Adjustment Provided on Tread Depth, Based on Actual Case Prices)

THIS LITTLE SPIKE  CAN SAVE YOUR LIFE

Terms Available
FREE TIRE MOUNTING

New England regional warehouse for
DELTA
PREMIUM NYLON TIRES
NATIONWIDE LIFETIME GUARANTEE

CAMBRIDGE TIRE COMPANY
"Nationwide Wholesale Warehouse Distributors"
290 ALBANY STREET • CAMBRIDGE 39, MASS.
Off Mass. Ave. Near M. I. T.
• • • UNIVERSITY 4-7575 • • •
HOURS — 7:30 A.M. to 5:30 P.M.
Monday and Wednesday: 7:30 A.M. to 8:30 P.M.
Saturday: 7:30 A.M. to 4:00 P.M.
OVER A HALF CENTURY OF SERVICE
MEMBERS: GREATER BOSTON AND CAMBRIDGE CHAMBER OF COMMERCE

BATTERIES
RECHARGEABLE Most Cars
6 VOLT \$6.83 EXCH.
12 VOLT \$9.48 EXCH.
FULL Charge provides for battery replacement WITHIN 90 days

AT SAME PRICES WE SELL OUR DEALERS

Cagers beat Bowdoin in overtime

By John Kopolow

Tech's varsity basketball team was sent into overtime Wednesday before it finally defeated a scrappy Bowdoin squad by the score of 81-71. The victory enables the Beavers to take on Dartmouth tomorrow evening with an unblemished 5-0 record.

Game close throughout

The game was very tight throughout regulation time. Dave Jansson '68 broke a 65-65 tie with a field goal with only 56 seconds remaining in the second half. But the host Polar Bears knotted the score again at 67-67 on a bucket by their leading scorer Bob Patterson. With 10 seconds remaining, the Beavers played for one shot but failed to connect, sending the game into overtime.

MIT broke the game open in the extra period, controlling the backboards and getting a fine defensive effort from reserve guard Roy Talus '67, who twice stole the ball as well as sinking two key free throws. Jansson got 6 of his 27 points in the overtime period, and senior Bob Hardt, who led the Beavers in the game with 28 markers, scored four in overtime.

Bowdoin held a slim lead during most of the first half with aggressive defensive play, but MIT's patterns began clicking late in the period. Hardt and Jansson broke loose underneath for several scores as Tech forged



Photo by Jeff Reynolds

The many moods of a college basketball coach are well illustrated by varsity coach Jack Barry in Saturday night's victory over RPI. Barry had many reasons to be happy, however, as his engineers won 70-54 without star center and co-captain Alex Wilson '67.

to a 31-27 lead at the intermission.

In the second half, the taller MIT squad out-rebounded their hosts, but Bowdoin's tough defensive forced the Beavers into occasionally ragged play.

Wilson back in action

Co-captain Alex Wilson '67 returned to the lineup after missing the previous game due to a back injury. He provided a much-needed lift with 14 points and added strength off the boards. The only remaining Engineers to crack the scoring column were Talus with 6 points and Bob and

Ray Ferrara '67 with 2 apiece.

In playing Dartmouth tomorrow in Rockwell Cage, the Beavers will encounter their toughest test to date. Dartmouth has a tall, well-coached quintet which will probably require MIT to come up with its best effort of the young season.

The Benchwarmer

Winter teams draw good crowds

By Tom Thomas

The spirit and enthusiasm displayed by Tech fans this year has certainly been heartening. Substantial crowds have witnessed the two home basketball games played thus far. Coach Jack Barry's current edition of engineer cagers, 5-0 for the season, is certainly a big drawing card. Several hundred fans stood throughout the two home games to watch the MIT quintet topple Wesleyan, 77-63, and RPI, 70-54. These fans will be happy to learn that additional seating will be provided for the Dartmouth game tomorrow night.

Wil Chassey's grapplers also drew a good crowd to their home opener with Boston College. The wrestlers, headed by New England champion Dave Schramm '67 in the heavyweight division, will put their 2-0 record on the line tonight against Harvard at 7:30 p.m. This match will be preceded by the frosh match at 6 p.m.

Smith looks to future

Director of Athletics Ross Smith is looking to the future concerned with the construction of a multi-million dollar athletic plant. Plans for such a complex are in the offing, but the results of such planning will probably not materialize in our lifetime as students at the Institute. At present the construction of new dormitories is ahead of this project on the priority list. At any rate the spectator enthusiasm shown thus far in the winter season would certainly add impetus to any such plans.

Winter sports, 20-17

The winter sports teams have compiled a winning record at this point, taking 20 contests and losing 17. The basketball and wrestling teams top the list with the swimmers adding their 3-1 record.

Cagers win streak

The question running through everyone's mind seems to be: "How long will the basketball winning streak last?" We'll soon know just how good they are. The engineers face a tough

Dartmouth squad tomorrow night and Assumption in the first round of the Worcester Jaycee Tournament December 27.

It seems that the Green have beaten opponents common to both schools just a little worse than the MIT squad. Assumption qualified for the NCAA college division tourney last March which the engineers just missed by losing to Northeastern near the end of the season. Long Island will be represented by an outstanding LIU five.

High scoring co-captain Alex Wilson '67 needs only 169 points to surpass the career scoring record of 1058 points set by Bill Eggleston '64. However, Alex will probably not hold the record for long since teammate Dave Jansson has totaled 609 points in just over a year of varsity action. Jansson scored over 200 points more than Wilson in his sophomore year.

Season record, 3-0

JV grapplers nip Lowell, 19-16

By Arm Varteressian

The Jayvee wrestlers won a squeaker from Lowell State Tuesday, 19-16, preserving their unbeaten record this season. Ed Tripp '67 started the meet off well, pinning Dave Moore with a cradle only 49 seconds into the first period of the 123-pound match.

Lou Offen '67, wrestling 15 pounds over his normal weight of 115, could not hold the heavier Bob Germann, and was pinned in 1:15 of the 130-pound match. John Reynolds '67 defeated Ed Mazur 6-1 in the 137-lb. division to put Tech ahead, but Lowell State went ahead 10-8 with a forfeit in the 145-lb. contest.

At 152, Tom White '69 lost 3-0 to Jim Burns, but Don Pryor '68 brought the score back to a tie as he pinned Jeff Murray in the third period of their match. Geoff Smith '68 lost a tough 6-5 decision to Ken Hall at 167 pounds.

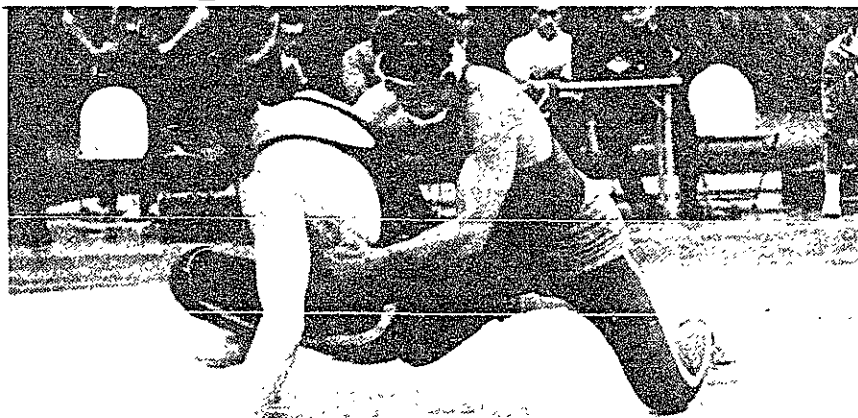


Photo by John Roderick

Don Pryor '68 counters a step-out at the beginning of the third period of his match against Lowell's Jeff Murray. Pryor pinned Murray later in this period, helping the MIT Jayvees gain a 19-16 victory.

Once again, however, MIT came back to tie the score as Chris Davis '69 won a 9-4 decision over Bob Reinhausen.

With the score of the meet at 16-16, the decision was left to the heavyweight wrestlers. Tom Gar-

Final score, 48 1/2-46 1/2

UConn edges swimmers; final relay decides meet

In one of their toughest matches of the season, the varsity swimmers went down to defeat, 48 1/2-46 1/2 at the hands of a UConn team that finished third in the New England's last year.

Outstanding Tech swimmer of the meet was sophomore Luis Clare, who took first in the 200 yard backstroke, then swam in the next event, the 500 freestyle, and finished two lengths behind UConn's Partelow for a second place. Luis' unofficial time was two seconds under the current varsity record set by Dick St. Peters in 1965.

The engineers led off the meet by soundly trouncing UConn in the medley relay. Clare, captain Larry Preston '68, John McFarren '68, and Tim Merrill '69 combined to maintain the relay's undefeated record this season. Tech kept the lead intact as Lee Dilley '69 took second place in the 200 freestyle and Mike Crane '67 finished first in the 50.

UConn's Don Sullivan turned in a 2:05.8 clocking for the 200

individual medley, however, with Hassell of UConn finishing second and Bill Stage '69 taking third, and suddenly the score was 17 1/2 to 16 1/2, UConn.

In the diving, Dan Gentry '68 came through with another fine performance to take first. Newcomer Pete Amstutz '67 was barely edged out of second.

Dilley and McFarren took seconds in the 200 butterfly and 100 freestyle. Clare came on with his performances in the backstroke and 500 freestyle and Preston combined with Tom Nesbitt '69 to sweep the 200 breaststroke and give Tech a 5 point lead.

In the 400 freestyle relay, MIT entered Merrill, Dilley, Stage, and McFarren. The Beavers stayed even for 300 yards before UConn's Sullivan turned in a 48.9 second hundred to win the relay and the meet.

After this meet, the mermen are looking to Williams and Wesleyan whom they meet at home between Christmas and term break.

JV hoopsters top Harvard



Photo by John Roderick

Dan Santini '68 goes up for one of his eleven field goals in the JV game against Harvard.

By Steve Wiener

In a 61-58 thriller, the JV basketball team edged Harvard Monday night. Led by Alec Bash '68 and Dan Santini '68, the Beavers mounted a seven point half time lead but had to overcome the Crimson in the final 13 seconds.

Backcourt ace Steve Derodeff '68 started Tech rolling with two driving layups. After Harvard's Bob Gustanson made good on three charity tosses, Bash and

Santini combined for nine points to give the hosts a 13-7 lead. John Rav helped Harvard rebound with three jumpers.

Tech leads, 27-20 at half

Dan Green '68 and Bill Stewart '69 each scored to give Tech a five point advantage, but the engineers were blanked from the floor for the remainder of the half. However, they hit for eight from the foul line and carried a 27-20 count into the locker room.

Bash and Santini virtually carried MIT through the second half, totaling 28 of the squad's 34 tallies. Alec's eight points and Dan's ten enabled Tech to hold onto its lead for the first fifteen minutes. But at 5:15 Harvard hit twice from the inside to close the gap to 47-45. Santini hit a twenty footer and then drove in for a layup, but the Crimson's McCulloh sank a jumper and then two free throws, leaving the count at 51-49.

Teams trade baskets

The two teams traded baskets before Walt Suchon '69 hit at 2:10. McCulloh went up for a three pointer to put Harvard within one point of the lead. Santini swished a jumper but Harvard's Bill Wakowski was fouled twelve seconds later and sank both shots. After Tech gave up the ball on a vio-

lation, Wakowski put Harvard into the lead for the first time in the half 58-57.

After a time out, Santini made good on a pressure jump shot with only thirteen seconds remaining. Tech stole the ball, and Bash hit two from the foul line in the final second to give MIT a narrow 61-58 victory.

On Deck

Friday, December 16

Wrestling (V)—Harvard, here, 7:30 pm

Wrestling (F)—Harvard, here, 6 pm

Fencing (V)—Norwich, here, 7 pm
Squash (V)—McGill, here, 7 pm
Rifle (V)—Harvard, away, 7 pm

Saturday, December 17

Basketball (V)—Dartmouth, here, 8:15 pm

Basketball (F)—Tufts, here, 6:15 pm

How They Did

Swimming

UConn 48 1/2, MIT (V) 46 1/2
UConn 70, MIT (F) 25

Wrestling

MIT (JV) 19, Lowell Tech 16

Indoor Track

Tufts 70, MIT (V) 43
Tufts 68, MIT (F) 44

Basketball

MIT (JV) 61, Harvard 58
Bowdoin 61, MIT (F) 59
MIT (V) 81, Bowdoin 71

Second-class postage paid at Boston, Massachusetts. The Tech is published every Thursday and Friday during the college year, except during college vacations by The Tech, Room V-39-433, MIT Student Center, 88 Massachusetts Avenue, Cambridge, Massachusetts 02139. Telephone: Area Code 617, 876-5854, and 864-6900 extension 2721. United States mail subscription rates: \$4.25 for one year, \$8.00 for two years.